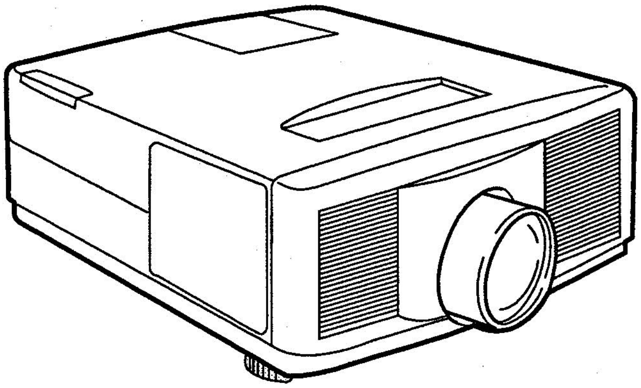
1997

MITSUBISHI

Service Manual

LCD PROJECTOR
LC5 CHASSIS



MODEL
LVP-X100E

CAUTION
Before servicing this chassis, it is important that the service person reads the "SAFETY PRECAUTIONS" in this service manual.

PRECAUTION
Avant un entretien/dépannage de ce châssis, il est important que la personne en charge lise les "MESURES DE SECURITE" dans ce manuel d'entretien/dépannage.

VORSICHT
Bevor Wartungsarbeiten an diesem Chassis ausgeführt werden, muβ das Wartungspersonal die "SICHERHEITSHINWEISE" in dieser Wartungsanleitung durchlesen.

ATTENZIONE
Prima di un intervento di assistenza tecnica sul telaio, è importante che il personale di assistenza tecnica legga le "MISURE DI SICUREZZA" contenute in questo manuale di assistenza.

PRECAUCIÓN
Antes de servir este chasis, es importante que la persona de servicio lea las "PRECAUCIONES DE SEGURIDAD" de este manual de servicio.

LET OP
Alvorens enig onderhoudswerk aan het chassis uit te voeren is het belangrijk dat de onderhoudsmonteur de VOORZORGSMAATREGELEN in deze service-handleiding aandachtig doorleest.

MITSUBISHI ELECTRIC

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SPECIFICATIONS

- **Power Input** : AC 100~240V ; 50 / 60Hz
- **Rated Input** : 5.0A
- **LCD Panels** : 1.3inch LCD panel: 3 pieces(for R,G,B)
  Pixels 1,024 × 768= 786,432 pixels
  Total 2,359,296 pixels
  Active pixel rate: 99.9% or more
  (each panel)
- **Projection Lens** : F 2.5~2.9 f = 52.8-68.6 mm
- **Light Source Lamp** : 280W DC metal halide lamp
- **Picture Size** : aspect rate 4:3 20~300 inch
- **Speakers** : 60mm round type, 2 pcs.
- **S-Video Input** : Luminance signal: 1.0Vp-p 75Ω
  (negative signal)
  Chroma signal: 0.286Vp-p 75Ω
  (burst signal)
- **Video Input** : 1.0Vp-p 75Ω (negative sync.)
- **Audio Inputs** : 350mVrms, 10kΩ or more
- **PC Audio Inputs** : 250mVrms, 10kΩ or more
- **Analog RGB Input** : Mini D-SUB 15P
  RGB: 0.7Vp-p 75Ω (positive sync.)
  HD/CS: TTL level (positive)
  VD: TTL level (positive)
  Horizontal frequency: 15~81kHz
  Vertical frequency : 43~85Hz
- **Cabinet Dimensions** : 13.0"(W) × 5.7"(H) × 15.2"(D)
  (Legs and lens are not included.)
- **Weight** : 21.5 lbs.
- **Length of Power Cord** : 70.8 inch

- Weight and dimensions shown are approximate.
- Design and specifications are subject to change without notice.

SAFETY PRECAUTIONS

NOTICE: Observe all cautions and safety related notes located inside the cabinet and on the chassis.

WARNING

1. An isolation transformer should be used between the projector and the AC supply point before any test/service is performed on a LIVE chassis projector.
2. Operation of this projector outside the cabinet or with the cover removed, involves a shock hazard from the projector power supplies. Work on the projector should not be attempted by anyone who is not thoroughly familiar with precautions necessary when working on high voltage equipment.
3. When service is required, observe the original lead dressing. Extra precaution should be given to assure correct lead dressing in the high voltage area. Where a short-circuit has occurred, replace those components that indicate evidence of overheating.

LEAKAGE CURRENT COLD CHECK

Before returning the projector to the customer, it is recommended that leakage current be measured according to the following methods.
With the AC plug removed from the AC source, place a jumper across the two AC plug prongs. Turn the projector AC switch on. Using an 500V D.C. Insulation Tester, connect one lead to the jumpered AC plug and touch the other lead to each exposed metal part (screwheads, etc.), particularly any exposed metal part having a return path to the chassis. Exposed metal parts having a return path to the chassis should have a minimum resistance reading of 4 megohm. Any resistance below this value indicates an abnormality which requires corrective action.

PCBs LOCATION

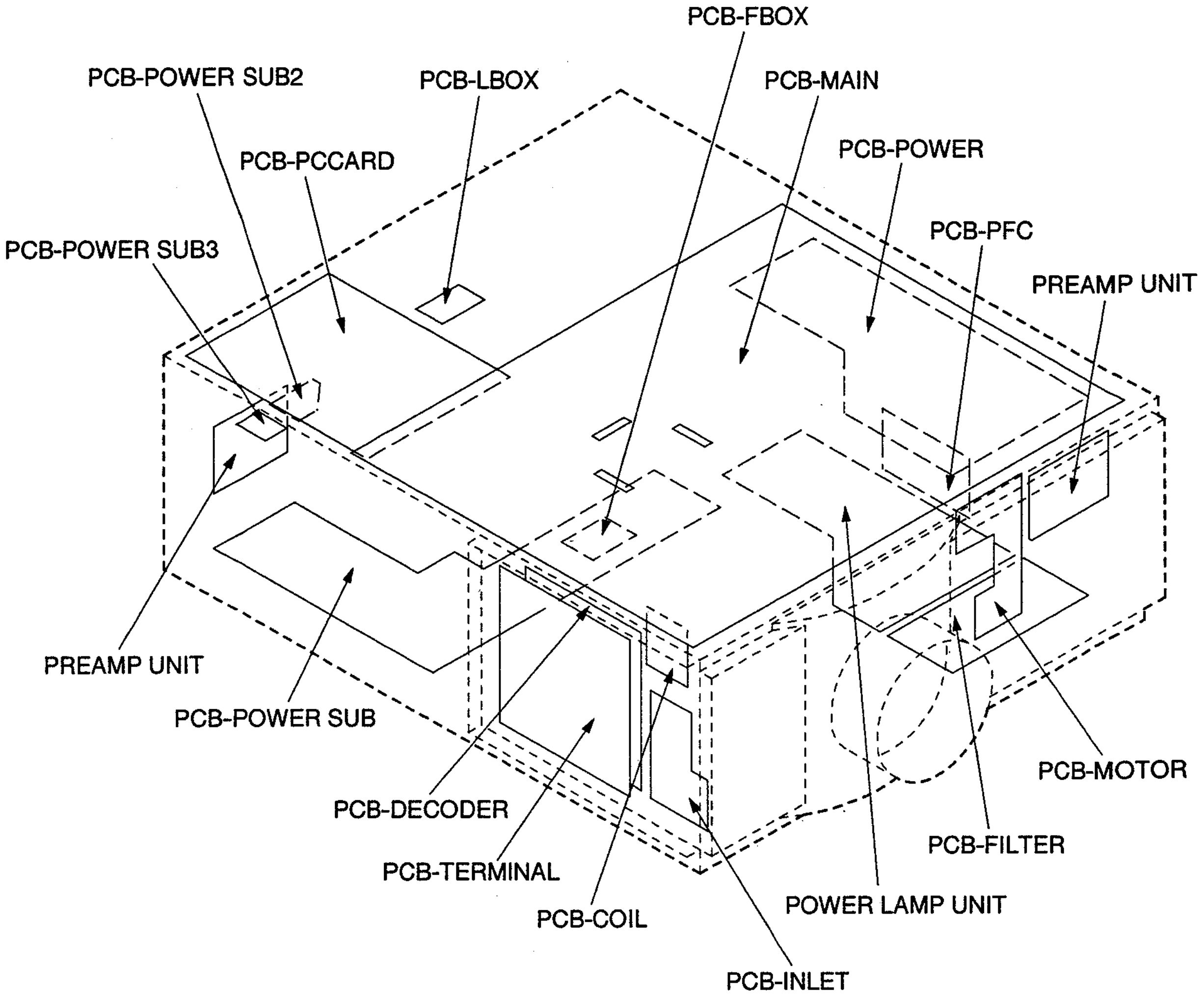

PCB-FBOX
PCB-POWER SUB2
PCB-LBOX
PCB-MAIN
PCB-PCCARD
PCB-POWER
PCB-PFC
PCB-POWER SUB3
PREAMP UNIT
PREAMP UNIT
PCB-POWER SUB
PCB-MOTOR
PCB-DECODER
PCB-FILTER
PCB-TERMINAL
POWER LAMP UNIT
PCB-COIL
PCB-INLET

Fig. 1

REMOVING COMPONENTS

Refer to PARTS LIST for Parts Number

Note: Workers shall put on the wrist band to protect LCD against Static electricity during the operations.

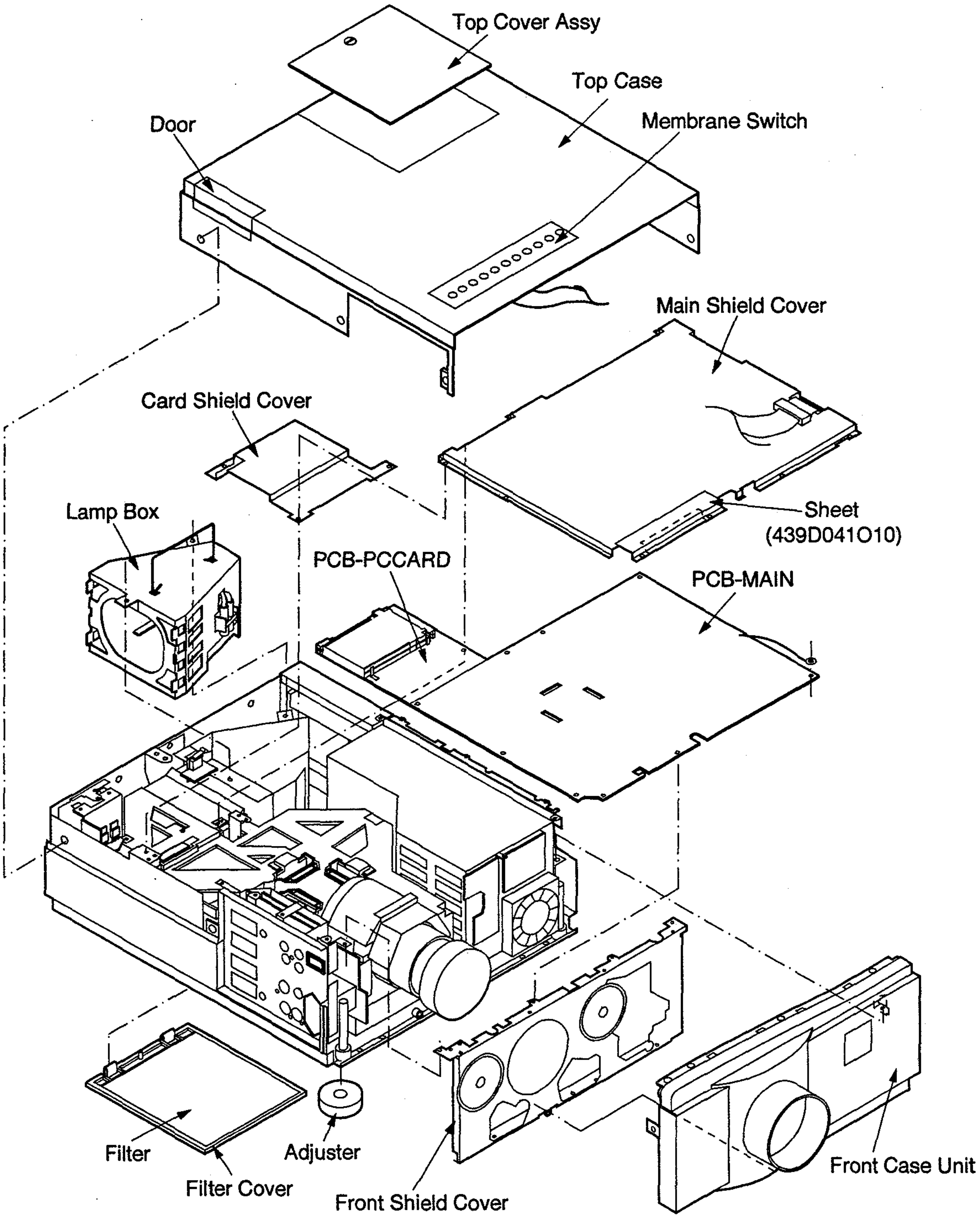

Top Cover Assy
Top Case
Door
Membrane Switch
Main Shield Cover
Card Shield Cover
Lamp Box
Sheet
(439D041O10)
PCB-PCCARD
PCB-MAIN
Filter
Adjuster
Filter Cover
Front Shield Cover
Front Case Unit

Fig. 2-1

Parts Name	Number of Screws
Top Case	8
Top Cover Assy	1
Lamp Box	2
Front Case Unit	3
Main Shield Cover	11

Parts Name	Number of Screws
Card Shield Cover	3
PCB-MAIN	8
PCB-PCCARD	4
Front Shield Cover	4
Filter Cover	2 (Hook)

Number of Screws : The number of Screws holding Parts.

Table 1-1

Refer to PARTS LIST for Parts Number

Note: Workers shall put on the wrist band to protect LCD against Static electricity during the operations.

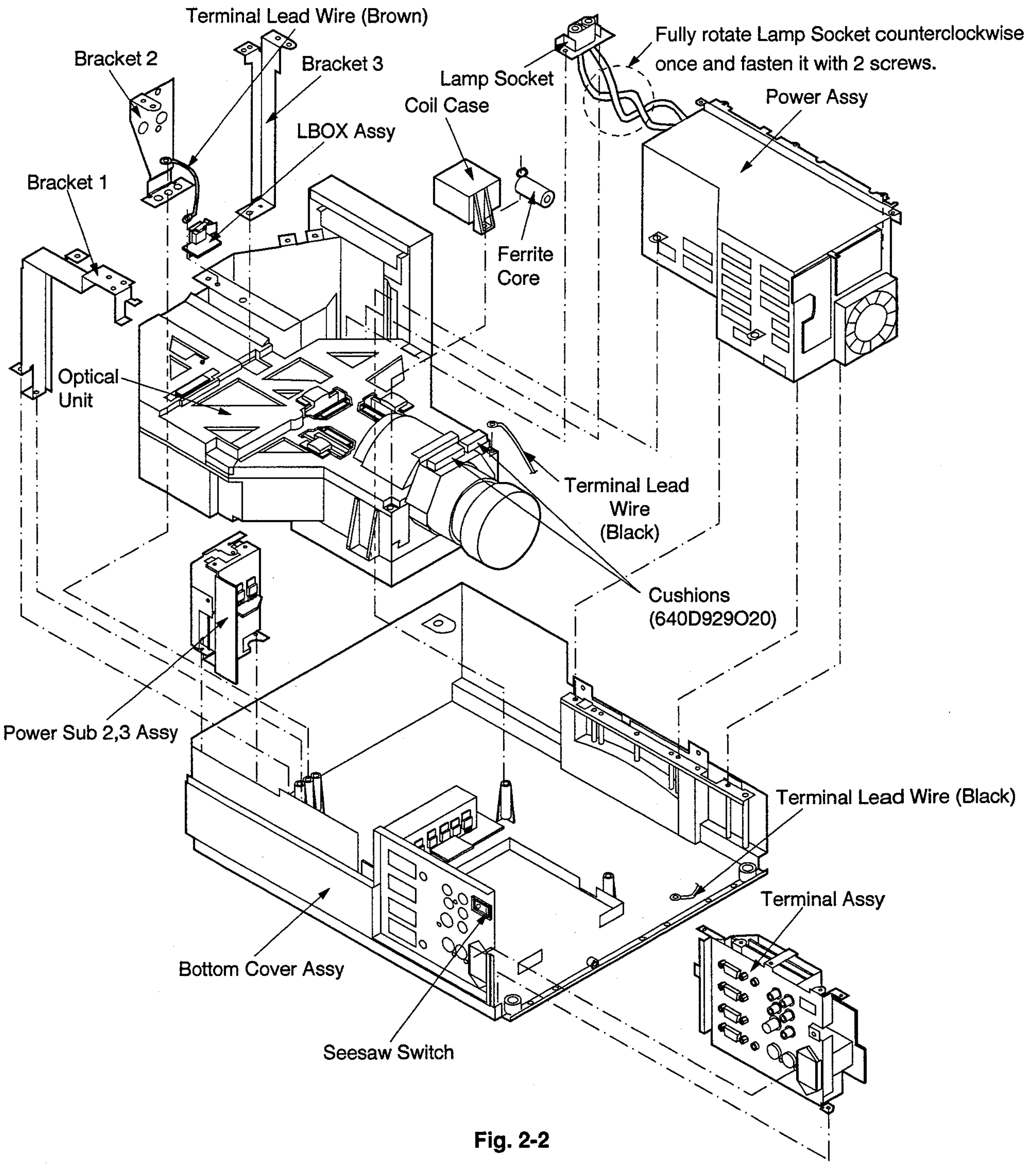

Terminal Lead Wire (Brown)
Bracket 2
Bracket 3
Lamp Socket
Coil Case
LBOX Assy
Fully rotate Lamp Socket counterclockwise once and fasten it with 2 screws.
Power Assy
Bracket 1
Ferrite Core
Optical Unit
Terminal Lead Wire (Black)
Cushions (640D929O20)
Power Sub 2,3 Assy
Terminal Lead Wire (Black)
Terminal Assy
Bottom Cover Assy
Seesaw Switch

Fig. 2-2

Parts Name	Number of Screws
Power Assy	5
Lamp Socket	2
Bracket 1	2
Bracket 2	1
Bracket 3	1
LBOX Assy	2

Parts Name	Number of Screws
Ferrite Core	1
Terminal Lead Wire (Black)	2
Optical Unit	2
Power Sub 2,3 Assy	2
Terminal Assy	6

Number of Screws : The number of Screws holding Parts.

Table 1-2

Refer to PARTS LIST for Parts Number
* After replacing the Lens Unit or the LCD Block, make lens focus tracking adjustment.
Note: Workers shall put on the wrist band to protect LCD against Static electricity during the operations.

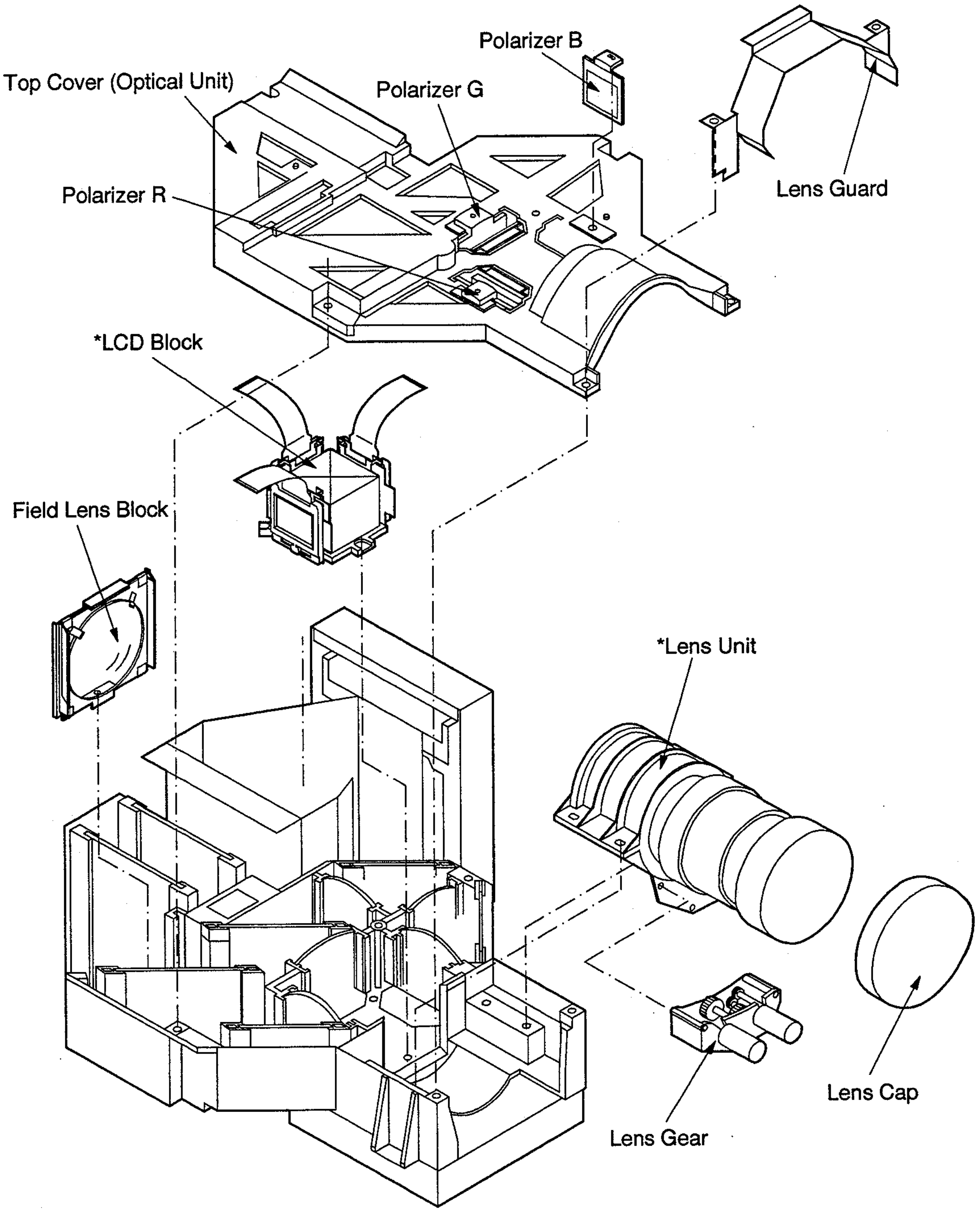

Polarizer B
Top Cover (Optical Unit)
Polarizer G
Polarizer R
Lens Guard
*LCD Block
Field Lens Block
*Lens Unit
Lens Cap
Lens Gear

Fig. 2-3

Parts Name	Number of Screws
Top Cover (Optical Unit)	5
Polarizer R	1
Polarizer G	1
Polarizer B	1

Parts Name	Number of Screws
LCD Block	3
Field Lens Block	1
Lens Unit	4
Lens Gear	3

Number of Screws : The number of Screws holding Parts.

Table 1-3

LEAD DRESS

Note: 1. The inner wires are clamped so that they do not come close to heat generating or high voltage parts. After servicing route all wires in their original position.
2. Workers shall put on the wrist band to protect LCD against Static electricity during the operations.

1. Clamp the Lead Wires along the Clamping Zone* shown in the figure below.
*Clamping Zone shows the route of the Lead Wire.

▬	Clamping Zone*
⋯	Hidden Clamping Zone*

Lead dress before Optical Unit is set

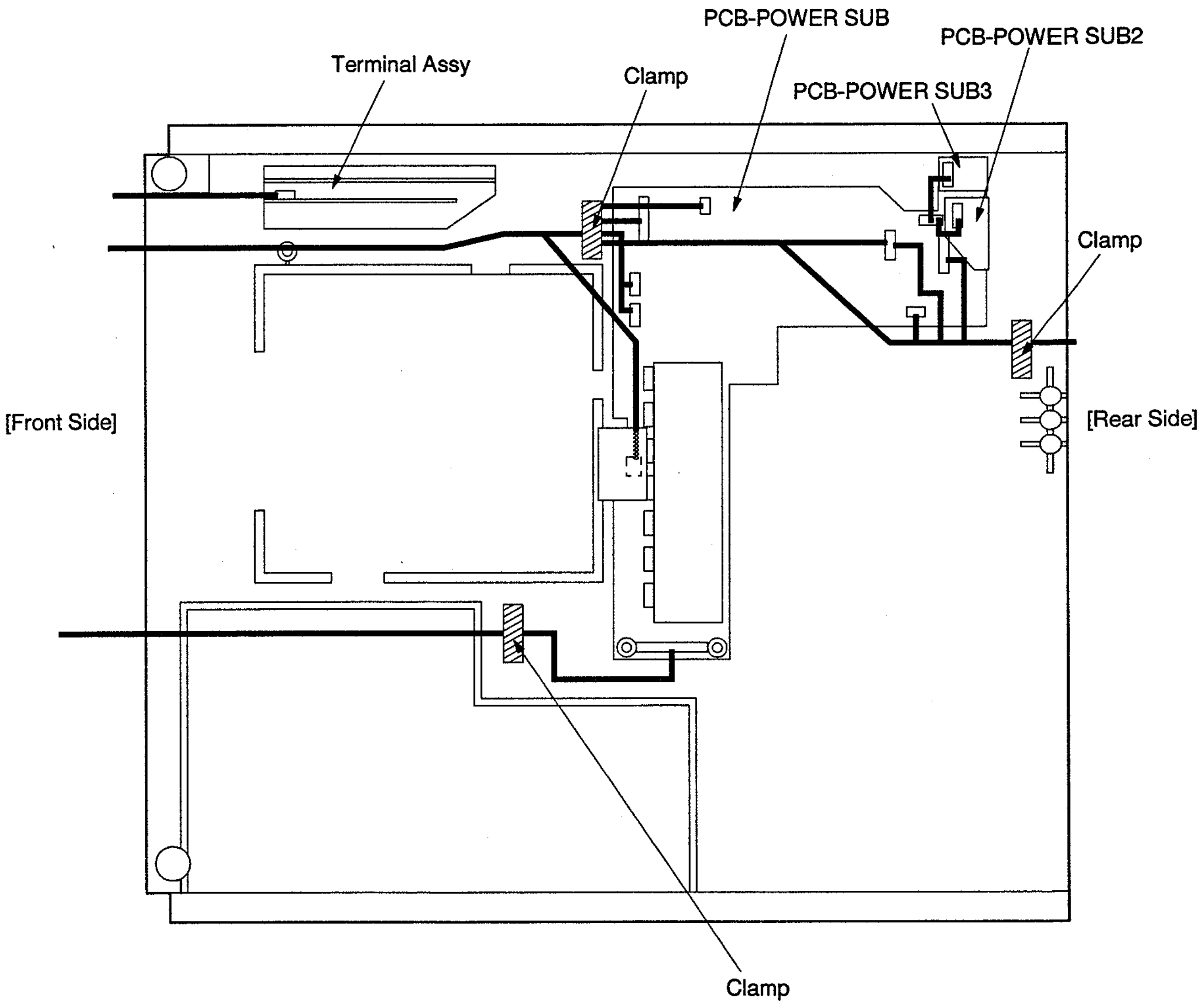

PCB-POWER SUB
PCB-POWER SUB2
Terminal Assy
Clamp
PCB-POWER SUB3
Clamp
[Front Side]
[Rear Side]
Clamp

Fig. 3-1

Lead dress When Optical Unit and Power Assy are set

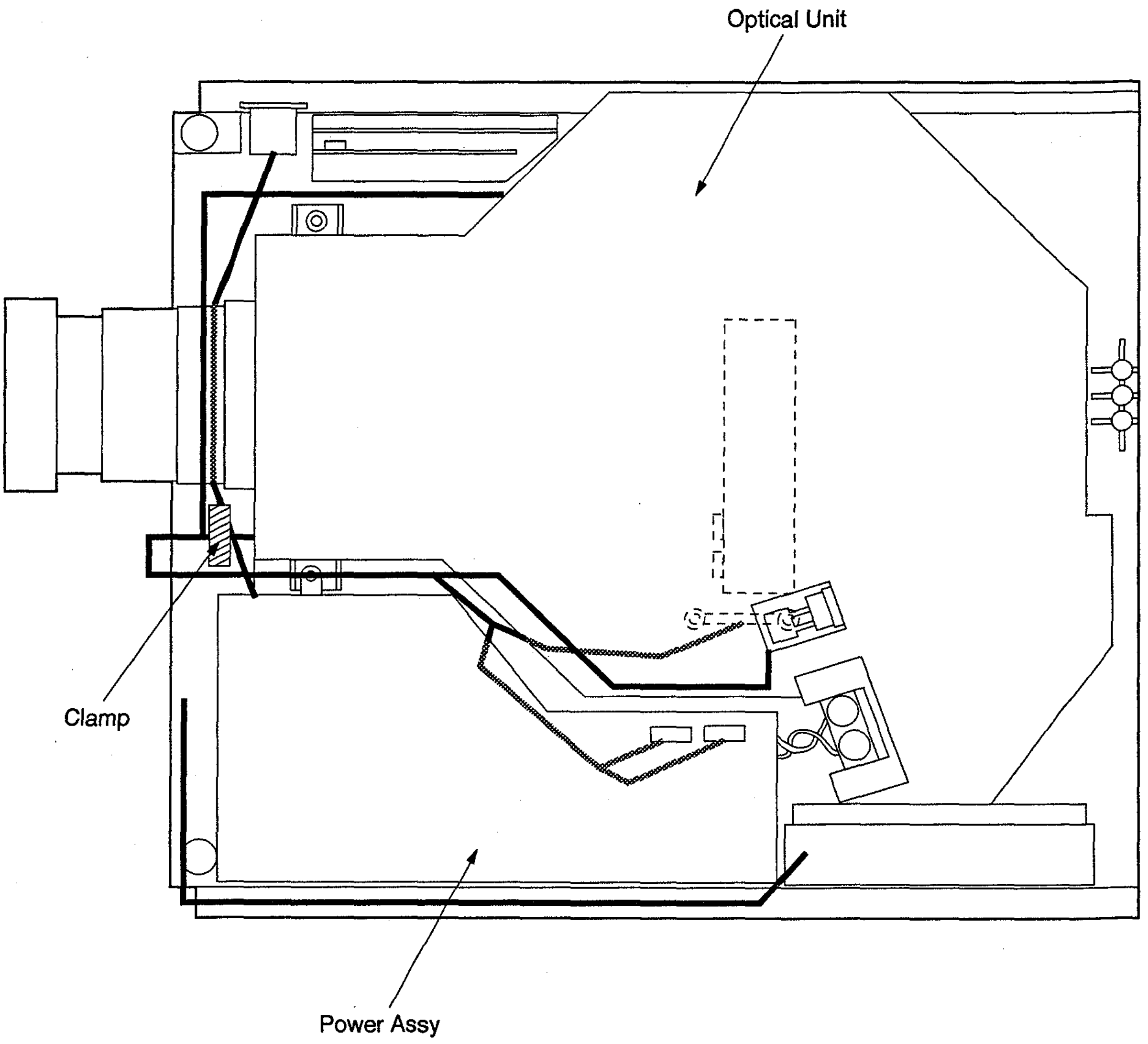

Optical Unit
Clamp
Power Assy

Fig. 3-2

Lead dress When PCB-MAIN and Card Shield Cover are set

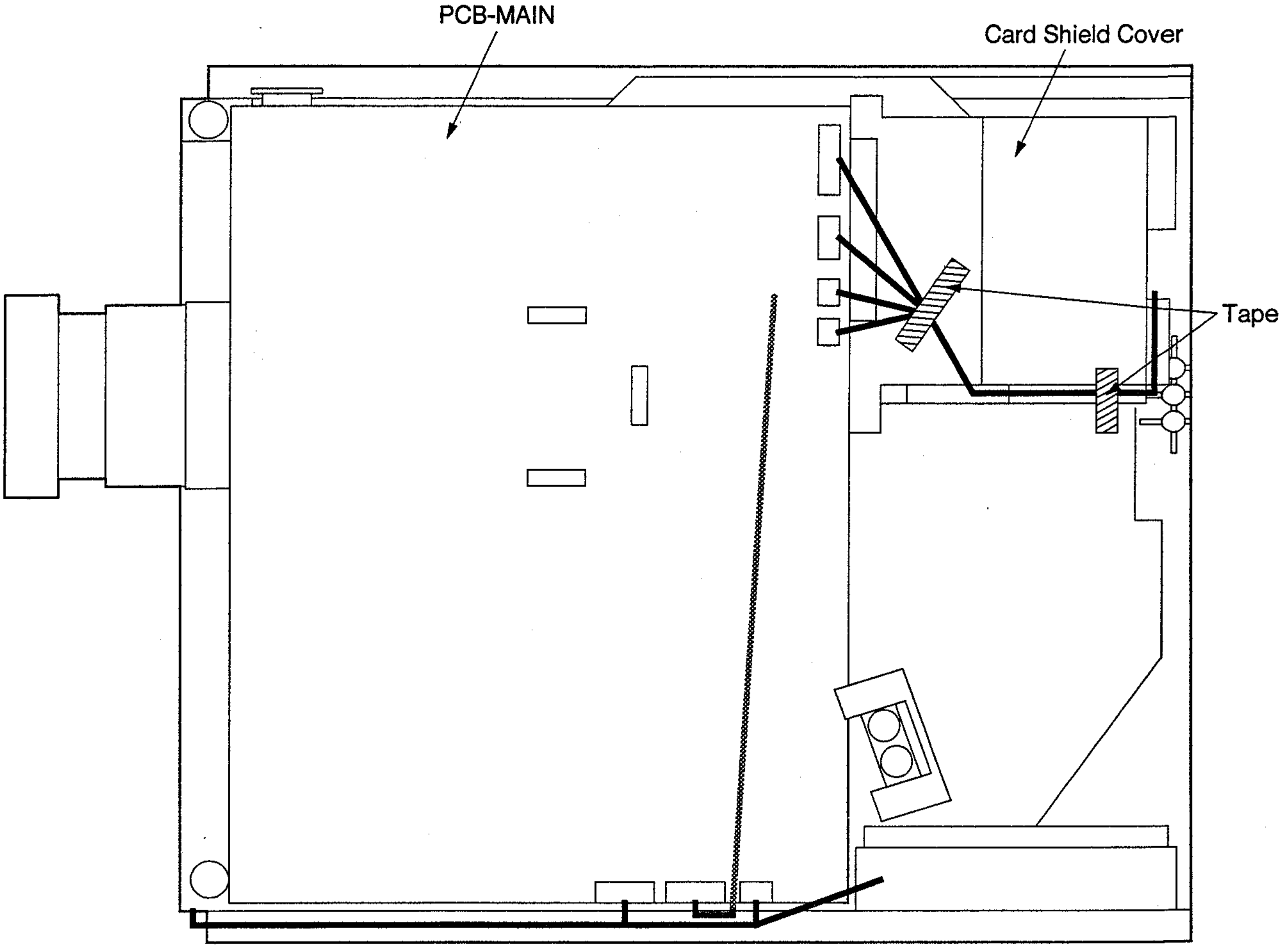

PCB-MAIN
Card Shield Cover
Tape

Fig. 3-3

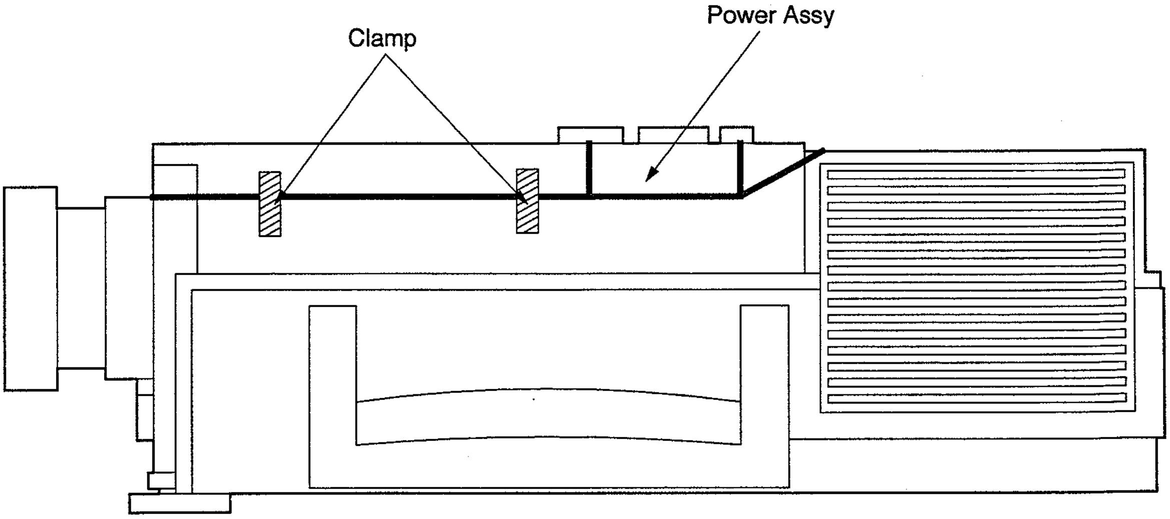

Clamp
Power Assy

Fig. 3-4

REPLACEMENT OF A LIGHT SOURCE LAMP

The light source lamp is designed to project the image on the LCD panel. When the light source lamp no longer functions, replace it with a new one to ensure optimum performance.

Caution:

- Do not remove the light source lamp from inside of this equipment immediately after using the projector, you may get burned because of the high temperature of the light source lamp.
- When you replace the light source lamp, press the power button to power off, then wait for 120 seconds in stand-by mode to cool down the lamp and LCD panels. Turn off the main switch, unplug the power code from the outlet and wait one hour so that the lamp is cool to the touch.
- Do not touch the lamp directly. It may be broken and may cause you to injure or burn yourself.
- Be sure not to drop the lamp lid screw into the projector. Also be sure also not to insert metal or any flammable objects, it may cause fire or an electric shock.
- Install the lamp securely, failure to do so it may cause a fire.

1. Loosen the screw of the lamp lid on the top cover using a screw driver(-) or a coin, and remove the lid. [Fig.4-1]

   Important:
   Be careful not to damage the electric wire connected to this equipment.

2. Use a screwdriver (+) to loosen the two lamp screws.
   Use a soft cloth to cover the lamp. [Fig.4-2]
3. Hold onto the projector by the handle as your pull out the lamp. [Fig.4-3]

Caution:
For the lamp you have removed, do not spill liquid on it, place it near flammable objects or where children can touch it. Otherwise, it will cause injury or fire.

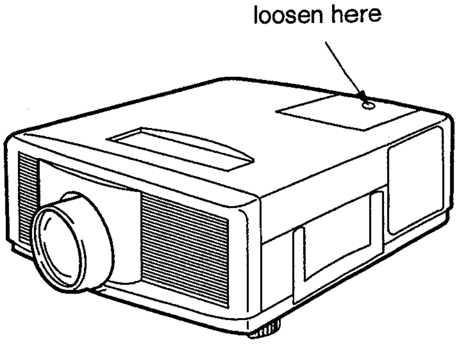


Fig. 4-1

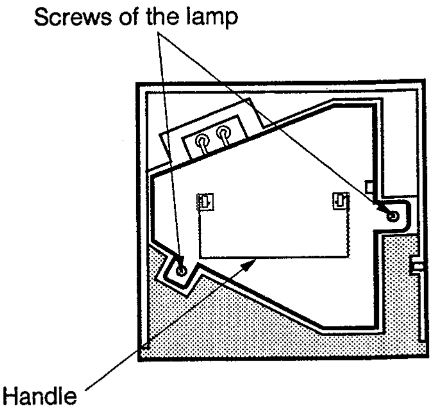


Fig. 4-2

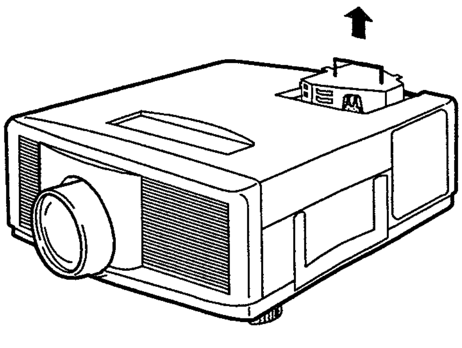


Fig. 4-3

4. Hold onto the projector by the handle and insert it securely into the projector body.
   Be sure that the projector guide is firmly inserted between the right and left lamp guides.
   Do not touch the lamp directly, place a cloth over the replacement lamp. [Fig.4-4]

   Important:
   - Replace with same type lamp rated.
   - Avoid squeezing the light sources lamp or getting finger prints on it. Mishandling the lamp can shorten the lamp life, cause it to burst during operation or reduce its illumination.

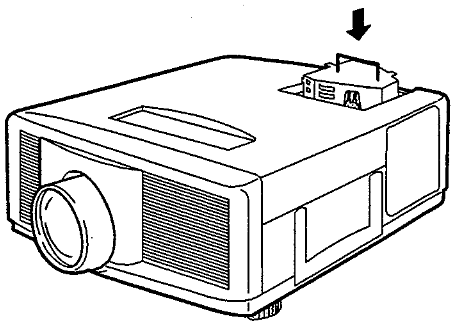


Fig. 4-4

5. Tighten up the two screws of the lamp using a screwdriver (+). [Fig.4-2]
6. Tighten up the screw of the lamp lid using a screwdriver (-) or a coin. [Fig.4-1]

Important:
The projector will not turn on if you do not secure the lamp lid.

7. Plug in the power cord, switch on the projector and reset lamp time by pressing the FINE< , > , and POWER buttons simultaneously.

Purchase of the light source lamp

The expected life of the metal halide light source lamp is 1,300 hours. However, to maintain optimum performance, it is recommended that the light source lamp be replaced at 1,000 hour intervals. When the lamp no longer works well, replace it with a new one specified for this projector. Consult your dealer, for recommended replacement lamps..

The life of the lamp

The average life of the lamp for the projector is about 1,300 hours of consecutive use. The lamp indicator will blink in red after approximately 1,000 hours. When the lamp has been used for about 1,300 hours, the projector will automatically shut off for the safety of the lamp and the power indicator light up in red. The projector cannot be used until the lamp has been replaced.

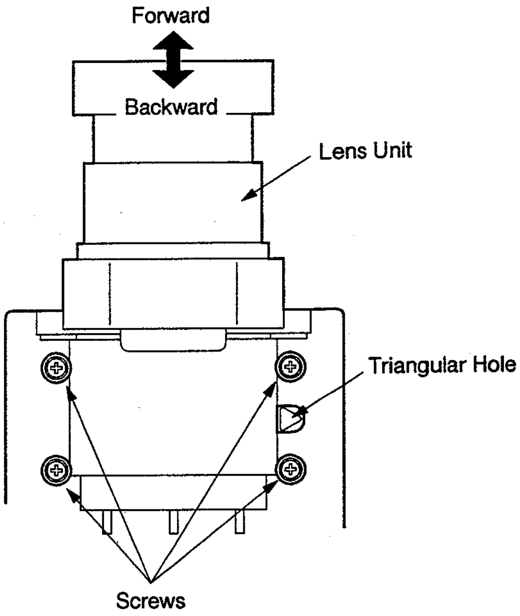
Caution:
- The light source lamp is fragile. Be careful not to cut yourself with the fragments.
- The lamp life depends on the environment. For replacement lamps, please contact your dealer.

The projector automatically shuts off when the lamp is used up in about 1,300 hours and not used until lamp replacement.

LENS FOCUS TRACKING ADJUSTMENT

After replacing the Lens Unit or the LCD Block, make this adjustment.
Fix the Lens Unit to optimize focus when zoomed out and in to the full.

1. Loosen the four screws securing the Lens Unit. Place the screws around the centre of the screw holes (elliptical).
2. Press the FOCUS/ZOOM button to indicate "ZOOM" on the screen.
3. Press the "ADJUST +" button to fully zoom out (to the smallest image).
4. Optimize the focus of the pixels on the screen.
5. Indicate the "ZOOM" on the screen. Press the "ADJUST –" button to fully zoom in (to the largest image).
6. Insert a minus screwdriver [equivalent to a 0.24 × 4 inch size (6 × 100 mm)] into the triangular hole for track adjustment. Turn the screwdriver to optimize the focus of the pixels on the screen. The Lens Unit moves forward and backward by turning the screwdriver.
7. Indicate the "ZOOM" on the screen. Press the "ADJUST +" button to fully zoom out.
8. Observe the focus. When the focus is optimized, this adjustment is completed. If not, make this adjustment again from the step 4.
9. Tighten the four screws. (screw torque 14±2kgf·m)



Optical Unit

☐Adjustment with Microsoft® Windows® 95 Operating System

1. Starting

1. Start Windows® 95.
2. Double click [Accessories] holder.
3. Double click [Hyper Terminal] holder.
4. Double click [HyperTrm] icon.

2. Hyper Terminal Setting

1. Click [Properties] in File menu on the Hyper Terminal window.
   [Connection Properties] window will open.
   Set as follows on this window.
2. Click [Connecting] in communication menu on the window to connect LVP-X100E.

Item		Setting
Comm. Port		Port (COM1-COM4)
Port setting	: Bit/sec	9600
	: Data bit	8 bit
	: Parity	None
	: Stop bit	1
	: Flow control	Hardware
Setting	: Emulation	VT100
ASCII setting	: Sending ASCII	Put a line feed character at the end of the line Local echo Delay (Line) : 1000msec. Delay (Character) : 10msec.
	: Receiving ASCII	Put a line feed character at the end of received data

3. Adjustment

Enter the adjustment command and the adjustment value on the Hyper Terminal window in capitals with keyboard and press the enter key.

Note: When [<OK···] is displayed, sending is accomplished correctly. When [<non···] is displayed, enter the command and value again.

4. Writing Adjustment Value

Enter the writing command and the adjustment value on the Hyper Terminal window in capitals with keyboard and press the enter key.

Note: This operation is not necessary for adjustment 1 (Clamp Level), 2 (RGB Input Level) and 3 (Bright Level) of automatic adjustment.

Note: When [<OK_EEPROM] is displayed, sending is accomplished correctly. When [<non···] is displayed, input the command and value again.

5. Close Window

Click the closing button placed upper right of the window to close the Hyper Terminal.
Close Windows® 95 after closing all opening windows.

Adjustment Procedures

[A/D Pre-Amplification Circuit] 1. Clamp Level	**Adjustment purpose**	To set DC level of a picture signal to be entered to A/D converter.
	Symptom when incorrectly adjusted	Monochrome picture has a colour tint.

Measuring instrument	—
Test point	—
EXT trigger	—
Measurement range	—
Input signal	XGA signal (White 100%, No. 01)
Input terminal	Analog RGB input terminal

1. Connect LVP-X100E with a personal computer (with Microsoft® Windows® 95 Operating System). (Refer to the figure on P.12)
2. Start Microsoft® Windows® 95 in the personal computer.
3. Start the communication programme [Hyper Terminal] in Microsoft® Windows® 95 to open the window. (For setting, refer to Hyper Terminal setting on P.13)
4. Reset the normal mode on the main menu of this product.
5. Supply an XGA signal (White 100%, No. 01).
6. Enter [>?70] (RGB input clamp adjustment command) to the Hyper Terminal window and automatic adjustment will start.
7. When the adjustment is accomplished, [<OK_Auto CLUMP] will be displayed on the Hyper Terminal window. If other massages are displayed, enter the command again.
8. Supply an NTSC signal (colour bar) to the video input terminal.
9. Enter [>?71] (VIDEO input clamp adjustment command) to the Hyper Terminal window and automatic adjustment will start.
10. When adjustment is accomplished, [<OK_Auto CLUMP] will be displayed on the Hyper Terminal window. If other massages are displayed, enter the command again.

[A/D Pre-Amplification Circuit] 2. RGB Input Level	**Adjustment purpose**	To set amplitude of a video signal to be entered to A/D converter.
	Symptom when incorrectly adjusted	Monochrome picture has a colour tint.

Measuring instrument	—
Test point	—
EXT trigger	—
Measurement range	—
Input signal	XGA signal (White 100%, No. 01)
Input terminal	Analog RGB input terminal

1. Connect LVP-X100E with a personal computer (with Microsoft® Windows® 95 Operating System). (Refer to the figure on P.12)
2. Start Microsoft® Windows® 95 in the personal computer.
3. Start the communication programme [Hyper Terminal] in Microsoft® Windows® 95 to open the window. (For setting, refer to Hyper Terminal setting on P.13)
4. Reset the normal mode on the main menu of this product.
5. Supply an XGA signal (White 100%, No. 01).
6. Enter [>?52] (R signal adjustment command) to the Hyper Terminal window and automatic adjustment will start.
7. When the adjustment is accomplished, [<OK_Auto AD] will be displayed on the Hyper Terminal window. If other massages are displayed, enter the command again.
8. Enter [>?51] (G signal adjustment command) to the Hyper Terminal window and automatic adjustment will start.
9. When the adjustment is accomplished, [<OK_Auto AD] will be displayed on the Hyper Terminal window. If other massages are displayed, enter the command again.
10. Enter [>?53] (B signal adjustment command) to the Hyper Terminal window and automatic adjustment will start.
11. When the adjustment is accomplished, [<OK_Auto AD] will be displayed on the Hyper Terminal window. If other massages are displayed, enter the command again.

[Liquid Crystal Panel Driving Adjustment Circuit] 3. Bright Level	**Adjustment purpose**	To set DC level and amplitude of a video signal to be entered to Liquid crystal panel.
	Symptom when incorrectly adjusted	Monochrome picture has a colour tint. Whites are grey, or blacks are grey.

Measuring instrument	—
Test point	—
EXT trigger	—
Measurement range	—
Input signal	XGA signal (White 100%, No. 01)
Input terminal	Analog RGB input terminal

* Preheat the set for one minute or more.

1. Connect LVP-X100E with a personal computer (with Microsoft® Windows® 95 Operating System). (Refer to the figure on P.12)
2. Start Microsoft® Windows® 95 in the personal computer.
3. Start the communication programme [Hyper Terminal] in Microsoft® Windows® 95 to open the window. (For setting, refer to Hyper Terminal setting on P.13)
4. Reset the normal mode on the main menu of this product.
5. Supply an XGA signal (White 100%, No. 01).
6. Enter [>?6] (Bright level adjustment command) to the Hyper Terminal window. Automatic adjustment will start and the lamp indicator of LVP-X100E will flash in green.
7. When the adjustment is accomplished, [<OK_Auto BRIGHT] will be displayed on the Hyper Terminal window. If other massages are displayed, enter the command again.

[Liquid Crystal Panel Driving Adjustment Circuit] 4. Ghost	**Adjustment purpose**	To remove ghosts from the screen.
	Symptom when incorrectly adjusted	Ghosts appear every 12 picture elements.

Measuring instrument	—
Test point	—
EXT trigger	—
Measurement range	—
Input signal	XGA signal (SMTPE, No. 14)
Input terminal	Analog RGB input terminal

* Make this adjustment only when ghosts remarkably appear on the screen.

1. Connect LVP-X100E with a personal computer (with Microsoft® Windows® 95 Operating System). (Refer to the figure on P.12)
2. Start Microsoft® Windows® 95 in the personal computer.
3. Start the communication programme [Hyper Terminal] in Microsoft® Windows® 95 to open the window. (For setting, refer to Hyper Terminal setting on P.13)
4. Reset the normal mode on the main menu of this product.
5. Supply an XGA signal (SMTPE, No. 14).
6. Project pictures onto the screen.

Red

7. Operate the signal source to be projected in red monochrome on the screen.
8. Enter the adjustment command [>?3123 □□] to the Hyper Terminal window to minimise the red ghosts. Enter [BB] or [99] to □□ for minimum ghosts. [AA] has been written at □□ before adjustment.
   (*1) When [<OK_HIC] is displayed, sending is accomplished correctly. When [<non···] is displayed, enter the command again.
9. Enter [>?1056 □□] to the Hyper Terminal window and write the changed value onto the EEPROM.
   (*2) When [<OK_EEPROM] is displayed, sending is accomplished correctly. When [<non···] is displayed, enter the command again.

Green

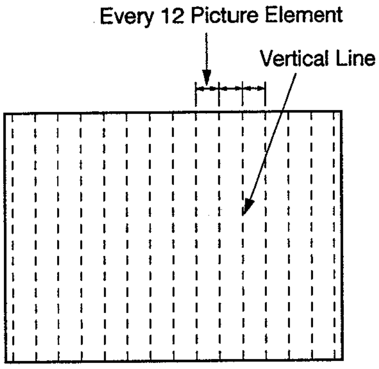
10. Operate the signal source to be projected in green monochrome on the screen.
11. Enter the adjustment command [>?3223 □□] to the Hyper Terminal window to minimise the green ghosts. Enter [BB] or [99] to □□ for minimum ghosts. [AA] has been written at □□ before adjustment. (*1)
12. Enter [>?1072 □□] to the Hyper Terminal window and write the changed value onto the EEPROM. Enter the value of step 11 to □□. (*2)

Blue

13. Operate the signal source to be projected in blue monochrome on the screen.
14. Enter the adjustment command [>?3323 □□] to the Hyper Terminal window to minimise the blue ghosts. Enter [BB] or [99] to □□ for minimum ghosts. [AA] has been written at □□ before adjustment. (*1)
15. Enter [>?108E □□] to the Hyper Terminal window and write the changed value onto the EEPROM. Enter the value of step 14 to □□. (*2)

[Liquid Crystal Panel Driving Adjustment Circuit] 5. Vertical Line	**Adjustment purpose**	To remove vertical lines form the screen.
	Symptom when incorrectly adjusted	Vertical lines appear every 12 picture elements.

Measuring instrument	—
Test point	—
EXT trigger	—
Measurement range	—
Input signal	XGA signal (White 50%, No. 12)
Input terminal	Analog RGB input terminal

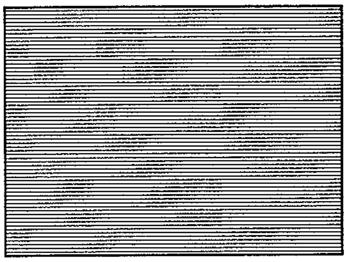


* Make this adjustment only when vertical lines remarkably appear on the screen.

1. Connect LVP-X100E with a personal computer (with Microsoft® Windows® 95 Operating System). (Refer to the figure on P.12)
2. Start Microsoft® Windows® 95 in the personal computer.
3. Start the communication programme [Hyper Terminal] in Microsoft® Windows® 95 to open the window. (For setting, refer to Hyper Terminal setting on P.13)
4. Reset the normal mode on the main menu of this product.
5. Supply an XGA signal (White 50%, No. 12).
6. Project pictures onto the screen.
7. Enter the adjustment command [>?237□□] to the Hyper Terminal window to minimise vertical lines. Enter any value from [00h] to [FFh] to □□ for minimum vertical lines. [10h] has been written at □□ before adjustment.
   (*1) When [<OK_DAC] is displayed, sending is accomplished correctly. When [<non···] is displayed, enter the command again.
8. Enter [>?10F0□□] to the Hyper Terminal window and write the changed value onto the EEPROM. Enter the value of step 7 to □□.
   (*2) When [<OK_EEPROM] is displayed, sending is accomplished correctly. When [<non···] is displayed, enter the command again.
9. Enter [>?10F1□□] to the Hyper Terminal window and write the changed value onto the EEPROM. Enter the value of step 7 to □□. (*2)
10. Enter [>?10F2□□] to the Hyper Terminal window and write the changed value onto the EEPROM. Enter the value of step 7 to □□. (*2)

[Liquid Crystal Panel Driving Adjustment Circuit] 6. Flicker	**Adjustment purpose**	To remove flickers form the screen.
	Symptom when incorrectly adjusted	Flickers appear.

Measuring instrument	—
Test point	—
EXT trigger	—
Measurement range	—
Input signal	XGA signal (Horizontal line every other picture element, No. 15)
Input terminal	Analog RGB input terminal



Horizontal Line Every other Picture Element Pattern

* Make this adjustment only when flickers remarkably appear on the screen.

1. Connect LVP-X100E with a personal computer (with Microsoft® Windows® 95 Operating System). (Refer to the figure on P.12)
2. Start Microsoft® Windows® 95 in the personal computer.
3. Start the communication programme [Hyper Terminal] in Microsoft® Windows® 95 to open the window. (For setting, refer to Hyper Terminal setting on P.13)
4. Reset the normal mode on the main menu of this product.

Red

5. Supply an XGA signal (Horizontal line every other red picture element, No. 15).
6. Project pictures onto the screen.
7. Enter the adjustment command [>?239 □□] to the Hyper Terminal window to minimise the red flickers. Enter any value from [00h] to [FFh] to □□ for minimum flickers. [A0h] has been written at □□ before adjustment.
   (*1) When [<OK_HIC] is displayed, sending is accomplished correctly. When [<non···] is displayed, enter the command again.
8. Enter [>?103A □□] to the Hyper Terminal window and write the changed value onto the EEPROM. Enter the value of step 7 to □□.
   (*2) When [<OK_EEPROM] is displayed, sending is accomplished correctly. When [<non···] is displayed, enter the command again.

Green

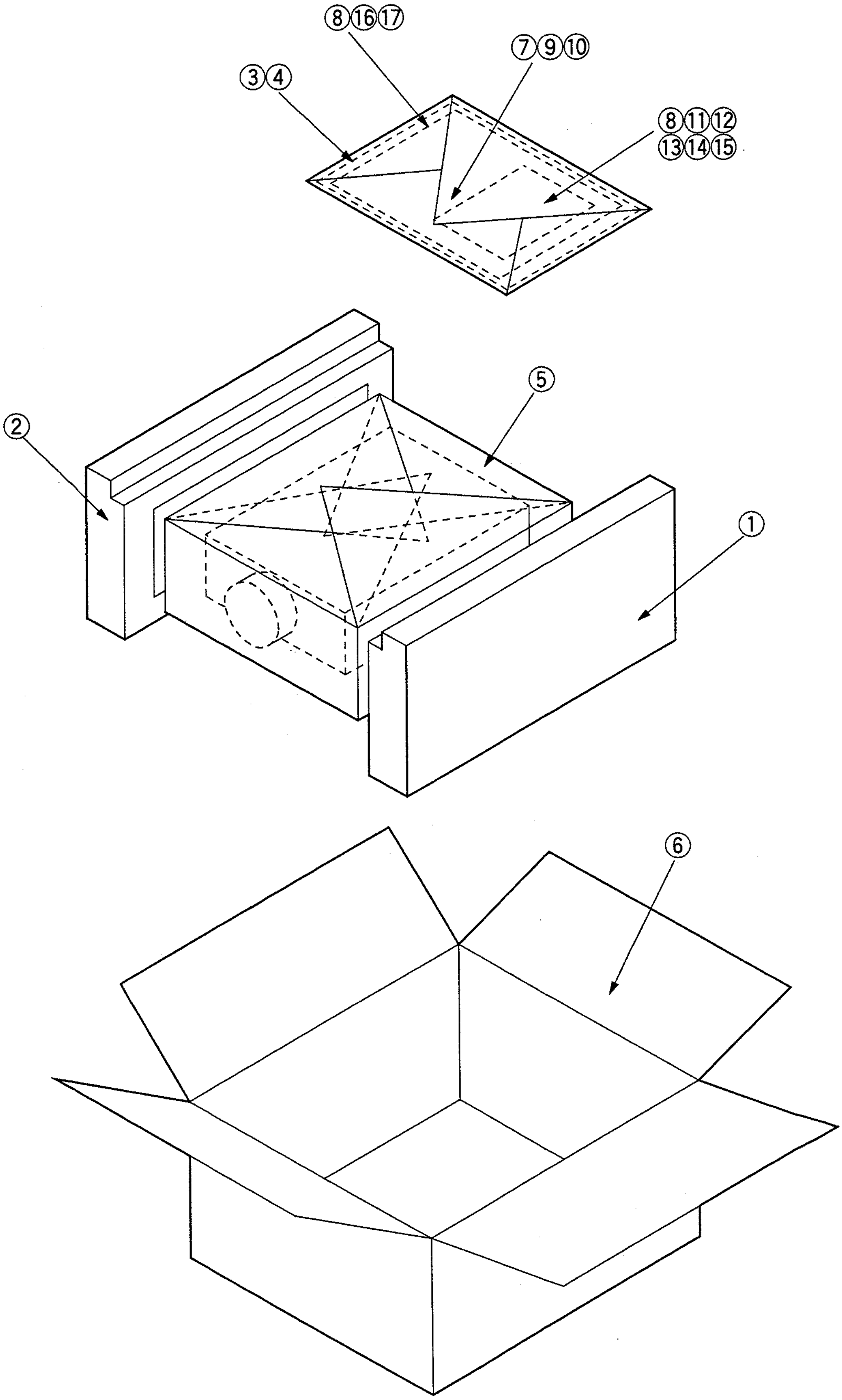
9. Supply an XGA signal (Horizontal line every other green picture element, No. 16).
10. Enter the adjustment command [>?23A □□] to the Hyper Terminal window to minimise the green flickers. Enter any value from [00h] to [FFh] to □□ for minimum flickers. [A0h] has been written at □□ before adjustment. (*1)
11. Enter [>?103B □□] to the Hyper Terminal window and write the changed value onto the EEPROM. Enter the value of step 10 to □□. (*2)

Blue

12. Supply an XGA signal (Horizontal line every other blue picture element, No. 17).
13. Enter the adjustment command [>?23B □□] to the Hyper Terminal window to minimise the blue flickers. Enter any value from [00h] to [FFh] to □□ for minimum flickers. [A0h] has been written at □□ before adjustment. (*1)
14. Enter [>?103C □□] to the Hyper Terminal window and write the changed value onto the EEPROM. Enter the value of step 13 to □□. (*2)

PARTS LIST

REPACKING PROCEDURE


⑧⑯⑰
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ELECTRICAL PARTS AND OTHERS

MODEL : LVP-X100E

In order to expedite delivery of replacement part orders.

Specify : 1. Model number/Serial number
2. Part number and Description
3. Quantity

Unless full information is supplied,delay in execution of orders will result.

⚠ : Critical components

MARK	B	C	D	F	G	J	K
TOLERANCE (%)	±0.1	±0.25	±0.5	±1	±2	±5	±10

MARK	M	N	V	X	Z	P	Q
TOLERANCE (%)	±20	±30	+10 -10	+40 -20	+80 -20	+100 -0	+30 -10

MARK	B	C	D	F	G
TOLERANCE (pF)	±0.1	±0.25	±0.5	±1	±2

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
	INTEGRATED CIRCUITS		
IC210	270P566010	IC	AD8180AR
IC211	270P567010	IC	AD8182AR
IC220	270P582010	IC	AD8073JR
IC240	272P938010	IC	M52055FP
IC250	272P938010	IC	M52055FP
IC251	275P141010	IC	74VHC157M
IC260	275P140010	IC	74VHC153M
IC2A0	272P938010	IC	M52055FP
IC2A1	270P396010	IC	SAA4961
IC2A2	270P313010	IC	TDA9141
IC2A3	270P314010	IC	TDA4665
IC2A4	270P575010	IC	NJM78M08DLA
IC300	275P142010	IC	74VHC4052M
IC350	272P525010	IC	µPC1406HA(MS)
IC351	270P284010	IC	LA4525
IC900	272P815010	IC	µPC7818H
IC950	267P137010	IC	STR-M6833A
IC951	267P062040	IC	SE012N
IC9A0	266P932020	IC	NJM7805A
IC9A1	272P240010	IC	M5237L
IC9A2	272P240010	IC	M5237L
IC9A3	267P136010	IC	SI-3090F
IC9A4	270P581010	IC	SI-3150FA
IC9A5	270P580010	IC	SI-3120F
IC9A6	270P212010	IC	AN7812F
IC9A7	270P599010	IC	LM2991T
IC9A8	272P293010	IC	NJM79L05A
IC9A9	267P076030	IC	SI-3050C
IC9B0	267P076030	IC	SI-3050C
IC9M0	270P569020	IC	FA5331M
IC9S1	272P990010	IC	LB1641
IC9S2	272P990010	IC	LB1641
	TRANSISTORS		
Q 201	261P005010	CHIP TRANSISTOR	2SC3123
Q 202	261P005010	CHIP TRANSISTOR	2SC3123
Q 203	261P005010	CHIP TRANSISTOR	2SC3123
Q 204	260P899010	CHIP TRANSISTOR	2SC3734-B23
Q 205	260P899010	CHIP TRANSISTOR	2SC3734-B23
Q 206	260P899010	CHIP TRANSISTOR	2SC3734-B23
Q 207	260P899010	CHIP TRANSISTOR	2SC3734-B23
Q 2A0	260P817030	CHIP TRANSISTOR	2SA1037K-S
Q 2A1	260P817030	CHIP TRANSISTOR	2SA1037K-S
Q 2A2	260P817030	CHIP TRANSISTOR	2SA1037K-S
Q 300	260P818030	CHIP TRANSISTOR	2SC2412KS
Q 301	260P818030	CHIP TRANSISTOR	2SC2412KS
Q 302	260P807010	CHIP TRANSISTOR	UN2212
Q 303	260P817030	CHIP TRANSISTOR	2SA1037K-S
Q 304	260P836090	CHIP TRANSISTOR	2SC3326-A,B
Q 305	260P836090	CHIP TRANSISTOR	2SC3326-A,B
Q 900	260P935010	TRANSISTOR	2SK2198
Q 901	260P935010	TRANSISTOR	2SK2198
Q 902	260P868010	CHIP TRANSISTOR	2SC2873-Y
Q 903	260P701010	CHIP TRANSISTOR	2SA1213-Y

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
Q 904	260P836090	CHIP TRANSISTOR	2SC3326-A,B
Q 905	260P817030	CHIP TRANSISTOR	2SA1037K-S
Q 951	260P818030	CHIP TRANSISTOR	2SC2412KS
Q 9A0	260P754010	TRANSISTOR	2SA1291-S
Q 9A1	260P818030	CHIP TRANSISTOR	2SC2412KS
Q 9A2	260P818030	CHIP TRANSISTOR	2SC2412KS
Q 9B0	260P806010	CHIP TRANSISTOR	DTA124EK
Q 9B1	260P806010	CHIP TRANSISTOR	DTA124EK
Q 9C0	260P754010	TRANSISTOR	2SA1291-S
Q 9C1	260P754010	TRANSISTOR	2SA1291-S
Q 9M0	260P818030	CHIP TRANSISTOR	2SC2412KS
Q 9M1	260P818030	CHIP TRANSISTOR	2SC2412KS
Q 9M2	260P818030	CHIP TRANSISTOR	2SC2412KS
	DIODES		
D 201	264P830020	CHIP DIODE	DA204U
D 202	264P830020	CHIP DIODE	DA204U
D 203	264P830020	CHIP DIODE	DA204U
D 204	264P815060	CHIP DIODE	RD5.1MB1
D 205	264P815060	CHIP DIODE	RD5.1MB1
D 206	264P830020	CHIP DIODE	DA204U
D 207	264P830020	CHIP DIODE	DA204U
D 208	264P830020	CHIP DIODE	DA204U
D 209	264P815060	CHIP DIODE	RD5.1MB1
D 210	264P815060	CHIP DIODE	RD5.1MB1
D 211	264P830020	CHIP DIODE	DA204U
D 212	264P830020	CHIP DIODE	DA204U
D 213	264P830020	CHIP DIODE	DA204U
D 214	264P830020	CHIP DIODE	DA204U
D 215	264P830020	CHIP DIODE	DA204U
D 216	264P830020	CHIP DIODE	DA204U
D 217	264P830020	CHIP DIODE	DA204U
D 218	264P830020	CHIP DIODE	DA204U
D 219	264P769020	CHIP DIODE	RD16UMB2
D 223	264P769020	CHIP DIODE	RD16UMB2
D 224	264P769020	CHIP DIODE	RD16UMB2
D 225	264P769020	CHIP DIODE	RD16UMB2
D 226	264P769020	CHIP DIODE	RD16UMB2
D 227	264P769020	CHIP DIODE	RD16UMB2
D 228	264P769020	CHIP DIODE	RD16UMB2
D 229	264P769020	CHIP DIODE	RD16UMB2
D 230	264P769020	CHIP DIODE	RD16UMB2
D 231	264P830020	CHIP DIODE	DA204U
D 232	264P830020	CHIP DIODE	DA204U
D 233	264P830020	CHIP DIODE	DA204U
D 300	264P814030	CHIP DIODE	MA142WA
D 301	264P828010	CHIP DIODE	DAN202U
D 302	264P814030	CHIP DIODE	MA142WA
D 303	264P828010	CHIP DIODE	DAN202U
D 304	264P814030	CHIP DIODE	MA142WA
D 305	264P828010	CHIP DIODE	DAN202U
D 306	264P828010	CHIP DIODE	DAN202U
D 307	264P814030	CHIP DIODE	MA142WA
⚠ D 900	264P623010	DIODE	RBV-1506
D 901	264P762010	DIODE	YG912S6
D 902	264P527030	DIODE	D1NS4/AK04
D 903	264P527030	DIODE	D1NS4/AK04

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
D 904	264P770010	CHIP DIODE	RD13MB1
D 905	264P543030	DIODE	EG01C
D 906	264P622010	DIODE	AL01Z
D 907	264P622010	DIODE	AL01Z
D 950	264P244020	DIODE	HZT33-10
D 951	264P543030	DIODE	EG01C
D 952	264P622010	DIODE	AL01Z
D 953	264P622010	DIODE	AL01Z
D 954	264P622010	DIODE	AL01Z
D 956	264P566010	DIODE	FMP-G12S
D 957	264P695040	DIODE	RK34
D 958	264P761010	DIODE	FMB-G24H
D 959	264P761010	DIODE	FMB-G24H
D 960	264P761010	DIODE	FMB-G24H
D 9A0	264P808010	CHIP DIODE	DAN202K
D 9M0	264P826010	CHIP DIODE	DA204K
D 9S1	264P483090	DIODE	RD5.1FB3
D 9S2	264P483090	DIODE	RD5.1FB3
	COILS		
	411D038010	FERRITE CORE FILTER	HF70SH
L 201	409P777030	CHIP EMI FILTER	BLM21A10
L 210	409P777030	CHIP EMI FILTER	BLM21A10
L 211	409P777030	CHIP EMI FILTER	BLM21A10
L 212	409P777030	CHIP EMI FILTER	BLM21A10
L 220	409P777030	CHIP EMI FILTER	BLM21A10
L 221	409P777030	CHIP EMI FILTER	BLM21A10
L 234	409P777010	EMI FILTER	BLM21B03 2012
L 235	409P777010	EMI FILTER	BLM21B03 2012
L 240	409P777030	CHIP EMI FILTER	BLM21A10
L 241	409P777030	CHIP EMI FILTER	BLM21A10
L 250	409P777030	CHIP EMI FILTER	BLM21A10
L 251	409P777030	CHIP EMI FILTER	BLM21A10
L 260	409P777030	CHIP EMI FILTER	BLM21A10
L 270	409P777010	EMI FILTER	BLM21B03 2012
L 271	409P777010	EMI FILTER	BLM21B03 2012
L 272	409P777010	EMI FILTER	BLM21B03 2012
L 273	409P777010	EMI FILTER	BLM21B03 2012
L 274	409P777010	EMI FILTER	BLM21B03 2012
L 275	409P777010	EMI FILTER	BLM21B03 2012
L 280	409P777010	EMI FILTER	BLM21B03 2012
L 281	409P777010	EMI FILTER	BLM21B03 2012
L 282	409P777010	EMI FILTER	BLM21B03 2012
L 283	409P777010	EMI FILTER	BLM21B03 2012
L 284	409P777010	EMI FILTER	BLM21B03 2012
L 285	409P777010	EMI FILTER	BLM21B03 2012
L 286	409P777010	EMI FILTER	BLM21B03 2012
L 287	409P777010	EMI FILTER	BLM21B03 2012
L 288	409P777010	EMI FILTER	BLM21B03 2012
L 289	409P777010	EMI FILTER	BLM21B03 2012
L 290	409P777010	EMI FILTER	BLM21B03 2012
L 291	409P777020	CHIP EMI FILTER	BLM21A05
L 292	409P777020	CHIP EMI FILTER	BLM21A05
L 293	409P777020	CHIP EMI FILTER	BLM21A05
L 294	409P777020	CHIP EMI FILTER	BLM21A05
L 295	409P777020	CHIP EMI FILTER	BLM21A05
L 296	409P777020	CHIP EMI FILTER	BLM21A05

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
L 2A0	409P777030	CHIP EMI FILTER	BLM21A10
L 2A1	325C241070	CHIP COIL	22µH-K
L 2A2	409P777030	CHIP EMI FILTER	BLM21A10
L 2A3	325C241070	CHIP COIL	22µH-K
L 2A4	325C241070	CHIP COIL	22µH-K
L 2A5	409P777030	CHIP EMI FILTER	BLM21A10
L 2N1	325C241030	CHIP COIL	10µH-K
L 2N2	325C241030	CHIP COIL	10µH-K
L 2N3	325C241030	CHIP COIL	10µH-K
L 2N4	325C241030	CHIP COIL	10µH-K
L 300	409P777030	CHIP EMI FILTER	BLM21A10
L 307	409P777030	CHIP EMI FILTER	BLM21A10
L 310	409P777030	CHIP EMI FILTER	BLM21A10
⚠L 900	351P166010	CHOKE COIL	SHB-05-650V
L 950	411D009020	FERRITE CORE FILTER	
L 9A0	321C152040	RF COIL	82µH-K
L 9A1	321C142080	RF COIL	180µH-K
L 9A2	321C151050	RF COIL	15µH-K
L 9A3	351P081020	COIL	SN-8D-509
L 9A4	321C152040	RF COIL	82µH-K
⚠L 9F1	351P072020	LINE FILTER	
⚠L 9F2	351P072020	LINE FILTER	
LC300	409P512070	EMI FILTER	
LC301	409P512070	EMI FILTER	
LC302	409P512070	EMI FILTER	
LC303	409P512070	EMI FILTER	
LC304	409P512070	EMI FILTER	
LC305	409P512070	EMI FILTER	
LC306	409P512070	EMI FILTER	
LC307	409P512070	EMI FILTER	
	TRANSFORMERS		
⚠T 950	350P722020	POWER	
	RESISTORS		
R 201	103P489090	CHIP METAL	1/4W 75Ω-J
R 202	103P489090	CHIP METAL	1/4W 75Ω-J
R 203	103P489090	CHIP METAL	1/4W 75Ω-J
R 204	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 205	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 206	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 207	103P500090	CHIP RESISTOR	1/20W 47Ω-J
R 208	103P492050	CHIP METAL	1/16W 1kΩ-F
R 209	103P500090	CHIP RESISTOR	1/20W 47Ω-J
R 210	103P492050	CHIP METAL	1/16W 1kΩ-F
R 211	103P500090	CHIP RESISTOR	1/20W 47Ω-J
R 212	103P492050	CHIP METAL	1/16W 1kΩ-F
R 213	103P497030	CHIP METAL	1/16W 100kΩ-F
R 214	103P497030	CHIP METAL	1/16W 100kΩ-F
R 215	103P497030	CHIP METAL	1/16W 100kΩ-F
R 216	103P400030	CHIP METAL	1/10W 15Ω-J
R 217	103P400030	CHIP METAL	1/10W 15Ω-J
R 218	103P400030	CHIP METAL	1/10W 15Ω-J
R 219	103P493010	CHIP METAL	1/16W 1.8kΩ-F
R 220	103P492090	CHIP RESISTOR	1/16W 1.5kΩ-F
R 221	103P492070	CHIP METAL	1/16W 1.2kΩ-F

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
R 222	103P493010	CHIP METAL	1/16W 1.8kΩ-F
R 223	103P492090	CHIP RESISTOR	1/16W 1.5kΩ-F
R 224	103P492070	CHIP METAL	1/16W 1.2kΩ-F
R 225	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 226	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 227	103P490050	CHIP METAL	1/16W 150Ω-F
R 228	103P490050	CHIP METAL	1/16W 150Ω-F
R 229	103P490050	CHIP METAL	1/16W 150Ω-F
R 230	103P492050	CHIP METAL	1/16W 1kΩ-F
R 231	103P492050	CHIP METAL	1/16W 1kΩ-F
R 232	103P492050	CHIP METAL	1/16W 1kΩ-F
R 233	103P492050	CHIP METAL	1/16W 1kΩ-F
R 234	103P492050	CHIP METAL	1/16W 1kΩ-F
R 235	103P492050	CHIP METAL	1/16W 1kΩ-F
R 236	103P409090	CHIP RESISTOR	1/10W 75Ω-J
R 237	103P409090	CHIP RESISTOR	1/10W 75Ω-J
R 238	103P409090	CHIP RESISTOR	1/10W 75Ω-J
R 239	103P496050	CHIP METAL	1/16W 47kΩ-F
R 240	103P496050	CHIP METAL	1/16W 47kΩ-F
R 241	103P496050	CHIP METAL	1/16W 47kΩ-F
R 243	103P489090	CHIP METAL	1/4W 75Ω-J
R 244	103P489090	CHIP METAL	1/4W 75Ω-J
R 245	103P489090	CHIP METAL	1/4W 75Ω-J
R 246	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 247	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 248	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 251	103P492070	CHIP METAL	1/16W 1.2kΩ-F
R 252	103P492070	CHIP METAL	1/16W 1.2kΩ-F
R 253	103P492070	CHIP METAL	1/16W 1.2kΩ-F
R 254	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 255	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 256	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 257	103P492090	CHIP RESISTOR	1/16W 1.5kΩ-F
R 258	103P492090	CHIP RESISTOR	1/16W 1.5kΩ-F
R 259	103P492090	CHIP RESISTOR	1/16W 1.5kΩ-F
R 260	103P494000	CHIP METAL	1/16W 4.3kΩ-F
R 261	103P492030	CHIP METAL	1/16W 820Ω-F
R 262	103P492030	CHIP METAL	1/16W 820Ω-F
R 263	103P493010	CHIP METAL	1/16W 1.8kΩ-F
R 264	103P492090	CHIP RESISTOR	1/16W 1.5kΩ-F
R 265	103P492070	CHIP METAL	1/16W 1.2kΩ-F
R 266	103P493010	CHIP METAL	1/16W 1.8kΩ-F
R 267	103P492090	CHIP RESISTOR	1/16W 1.5kΩ-F
R 268	103P492070	CHIP METAL	1/16W 1.2kΩ-F
R 269	103P489090	CHIP METAL	1/4W 75Ω-J
R 270	103P489090	CHIP METAL	1/4W 75Ω-J
R 271	103P489090	CHIP METAL	1/4W 75Ω-J
R 272	103P489090	CHIP METAL	1/4W 75Ω-J
R 273	103P489090	CHIP METAL	1/4W 75Ω-J
R 274	103P489090	CHIP METAL	1/4W 75Ω-J
R 275	103P496050	CHIP METAL	1/16W 47kΩ-F
R 276	103P493070	CHIP METAL	1/16W 3.3kΩ-F
R 277	103P493070	CHIP METAL	1/16W 3.3kΩ-F
R 278	103P496050	CHIP METAL	1/16W 47kΩ-F
R 279	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 280	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 281	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 282	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 283	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 284	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 285	103P500090	CHIP RESISTOR	1/20W 47Ω-J
R 286	103P500090	CHIP RESISTOR	1/20W 47Ω-J
R 287	103P500090	CHIP RESISTOR	1/20W 47Ω-J
R 288	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 289	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 290	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 291	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 292	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 293	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 294	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 295	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 296	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 297	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 298	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 2A0	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 2A1	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 2A2	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 2A3	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 2A4	103P500090	CHIP RESISTOR	1/20W 47Ω-J
R 2A7	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 2A8	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 2A9	103P497010	CHIP METAL	1/16W 82kΩ-F
R 2B0	103P495030	CHIP METAL	1/16W 15kΩ-F
R 2B1	103P500090	CHIP RESISTOR	1/20W 47Ω-J
R 2B2	103P493010	CHIP METAL	1/16W 1.8kΩ-F
R 2B3	103P500090	CHIP RESISTOR	1/20W 47Ω-J
R 2B4	103P493010	CHIP METAL	1/16W 1.8kΩ-F
R 2B5	103P500090	CHIP RESISTOR	1/20W 47Ω-J
R 2B6	103P493010	CHIP METAL	1/16W 1.8kΩ-F
R 2B7	103P494030	CHIP METAL	1/16W 5.6kΩ-F
R 300	103P493030	CHIP METAL	1/16W 2.2kΩ-F
R 301	103P498050	CHIP METAL	1/16W 330kΩ-F
R 302	103P497030	CHIP METAL	1/16W 100kΩ-F
R 303	103P497030	CHIP METAL	1/16W 100kΩ-F
R 304	103P493030	CHIP METAL	1/16W 2.2kΩ-F
R 305	103P498050	CHIP METAL	1/16W 330kΩ-F
R 306	103P497030	CHIP METAL	1/16W 100kΩ-F
R 307	103P497030	CHIP METAL	1/16W 100kΩ-F
R 308	103P493030	CHIP METAL	1/16W 2.2kΩ-F
R 309	103P498050	CHIP METAL	1/16W 330kΩ-F
R 310	103P497030	CHIP METAL	1/16W 100kΩ-F
R 311	103P497030	CHIP METAL	1/16W 100kΩ-F
R 312	103P493030	CHIP METAL	1/16W 2.2kΩ-F
R 313	103P498050	CHIP METAL	1/16W 330kΩ-F
R 314	103P497030	CHIP METAL	1/16W 100kΩ-F
R 315	103P497030	CHIP METAL	1/16W 100kΩ-F
R 316	103P493030	CHIP METAL	1/16W 2.2kΩ-F
R 317	103P498050	CHIP METAL	1/16W 330kΩ-F
R 318	103P497030	CHIP METAL	1/16W 100kΩ-F
R 319	103P497030	CHIP METAL	1/16W 100kΩ-F
R 320	103P493030	CHIP METAL	1/16W 2.2kΩ-F
R 321	103P498050	CHIP METAL	1/16W 330kΩ-F
R 322	103P497030	CHIP METAL	1/16W 100kΩ-F
R 323	103P497030	CHIP METAL	1/16W 100kΩ-F

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
R 325	103P494010	CHIP METAL	1/16W 4.7kΩ-F
R 326	103P494010	CHIP METAL	1/16W 4.7kΩ-F
R 327	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 328	103P492050	CHIP METAL	1/16W 1kΩ-F
R 329	103P491030	CHIP METAL	1/16W 330Ω-F
R 330	103P491010	CHIP METAL	1/16W 270Ω-F
R 331	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 332	103P492050	CHIP METAL	1/16W 1kΩ-F
R 333	103P491030	CHIP METAL	1/16W 330Ω-F
R 334	103P491010	CHIP METAL	1/16W 270Ω-F
R 335	103P494010	CHIP METAL	1/16W 4.7kΩ-F
R 336	103P496050	CHIP METAL	1/16W 47kΩ-F
R 337	103P494010	CHIP METAL	1/16W 4.7kΩ-F
R 338	103P496050	CHIP METAL	1/16W 47kΩ-F
R 350	103P494090	CHIP METAL	1/16W 10kΩ-F
R 351	103P494090	CHIP METAL	1/16W 10kΩ-F
R 352	103P494090	CHIP METAL	1/16W 10kΩ-F
R 353	103P493030	CHIP METAL	1/16W 2.2kΩ-F
R 354	103P493030	CHIP METAL	1/16W 2.2kΩ-F
R 355	103P495070	CHIP METAL	1/16W 22kΩ-F
R 356	103P495070	CHIP METAL	1/16W 22kΩ-F
R 357	103P495070	CHIP METAL	1/16W 22kΩ-F
R 358	103P495070	CHIP METAL	1/16W 22kΩ-F
R 5X1	103P509050	CHIP RESISTOR	0Ω(RM1608)
R 5X2	103P509050	CHIP RESISTOR	0Ω(RM1608)
R 5X3	103P509050	CHIP RESISTOR	0Ω(RM1608)
R 900	103P488000	CHIP METAL	1/4W 1Ω-J
R 901	103P488000	CHIP METAL	1/4W 1Ω-J
R 904	103P400070	CHIP RESISTOR	1/10W 33Ω-J
R 905	103P400090	CHIP RESISTOR	1/10W 47Ω-J
R 906	103P475070	CHIP RESISTOR	1/10W 22kΩ-F
R 907	103P474010	CHIP RESISTOR	1/10W 4.7kΩ-F
⚠R 908	109P115010	CEMENT	10Ω-J
⚠R 909	109P115010	CEMENT	10Ω-J
R 915	103P472050	CHIP RESISTOR	1/10W 1kΩ-F
R 916	103P471080	CHIP RESISTOR	1/10W 510Ω-F
R 920	103P472080	CHIP RESISTOR	1/10W 1.3kΩ-F
R 925	103P470010	CHIP RESISTOR	1/10W 100Ω-F
R 926	103P474090	CHIP RESISTOR	1/10W 10kΩ-F
R 927	103P473030	CHIP RESISTOR	1/10W 2.2kΩ-F
R 950	103P477030	CHIP RESISTOR	1/10W 100kΩ-F
R 951	103P475070	CHIP RESISTOR	1/10W 22kΩ-F
R 952	103P804050	CHIP METAL	1W 47kΩ-J
R 953	103P484010	CHIP METAL	1/4W 22kΩ-J
R 954	103P484010	CHIP METAL	1/4W 22kΩ-J
R 955	103P484010	CHIP METAL	1/4W 22kΩ-J
R 956	103P474090	CHIP RESISTOR	1/10W 10kΩ-F
⚠R 957	103P752030	FUSE	1/4W 680Ω-J
R 960	103P483020	CHIP METAL	1/4W 3.9kΩ-J
R 961	103P480010	CHIP METAL	1/4W 10Ω-J
R 962	103P483020	CHIP METAL	1/4W 3.9kΩ-J
⚠R 963	109D021060	COMPOSITION	1/2W 2.2MΩ-K
⚠R 964	109D021060	COMPOSITION	1/2W 2.2MΩ-K
R 967	103P482040	CHIP METAL	1/4W 820Ω-J
R 968	103P472050	CHIP RESISTOR	1/10W 1kΩ-F
R 969	103P474090	CHIP RESISTOR	1/10W 10kΩ-F
R 970	103P801030	CHIP METAL	1W 100Ω-J
R 971	103P801030	CHIP METAL	1W 100Ω-J
R 972	103P804050	CHIP METAL	1W 47kΩ-J
R 9A0	103P481070	CHIP METAL	1/4W 220Ω-J
R 9A1	103P481070	CHIP METAL	1/4W 220Ω-J
R 9A3	103P473030	CHIP RESISTOR	1/10W 2.2kΩ-F
R 9A4	103P474030	CHIP RESISTOR	1/10W 5.6kΩ-F
R 9A5	103P473070	CHIP RESISTOR	1/10W 3.3kΩ-F
R 9A6	103P474030	CHIP RESISTOR	1/10W 5.6kΩ-F
R 9A7	103P473070	CHIP RESISTOR	1/10W 3.3kΩ-F
R 9A8	103P473050	CHIP RESISTOR	1/10W 2.7kΩ-F
R 9A9	103P482060	CHIP METAL	1/4W 1.2kΩ-J
R 9B0	103P474090	CHIP RESISTOR	1/10W 10kΩ-F
R 9B1	103P474090	CHIP RESISTOR	1/10W 10kΩ-F
R 9B2	103P482030	CHIP METAL	1/4W 680Ω-J
R 9B3	103P472060	CHIP RESISTOR	1/10W 1.1kΩ-F
R 9B4	103P471000	CHIP RESISTOR	1/10W 240Ω-F
R 9B5	103P474030	CHIP RESISTOR	1/10W 5.6kΩ-F
R 9B6	103P474030	CHIP RESISTOR	1/10W 5.6kΩ-F
R 9B7	103P476070	CHIP RESISTOR	1/10W 56kΩ-F
R 9B8	103P474010	CHIP RESISTOR	1/10W 4.7kΩ-F
R 9B9	103P474010	CHIP RESISTOR	1/10W 4.7kΩ-F
R 9C0	103P474010	CHIP RESISTOR	1/10W 4.7kΩ-F
R 9C1	103P474010	CHIP RESISTOR	1/10W 4.7kΩ-F
R 9M0	103P477070	CHIP RESISTOR	1/10W 150kΩ-F
R 9M1	103P477070	CHIP RESISTOR	1/10W 150kΩ-F
R 9M2	103P476050	CHIP RESISTOR	1/10W 47kΩ-F
R 9M3	103P474090	CHIP RESISTOR	1/10W 10kΩ-F
R 9M4	103P473010	CHIP RESISTOR	1/10W 1.8kΩ-F
R 9M5	103P479030	CHIP METAL	1/10W 680kΩ-F
R 9M6	103P476010	CHIP RESISTOR	1/10W 33kΩ-F
R 9M7	103P474090	CHIP RESISTOR	1/10W 10kΩ-F
R 9M8	103P473030	CHIP RESISTOR	1/10W 2.2kΩ-F
R 9M9	103P400010	CHIP RESISTOR	1/10W 10Ω-J
R 9N0	103P477050	CHIP RESISTOR	1/10W 120kΩ-F
R 9N1	103P475040	CHIP RESISTOR	1/10W 16kΩ-F
R 9S1	103P472050	CHIP RESISTOR	1/10W 1kΩ-F
R 9S2	103P470030	CHIP RESISTOR	1/10W 120Ω-F
R 9S3	103P470030	CHIP RESISTOR	1/10W 120Ω-F
R 9S4	103P470030	CHIP RESISTOR	1/10W 120Ω-F
R 9S5	103P470030	CHIP RESISTOR	1/10W 120Ω-F
R 9S6	103P470030	CHIP RESISTOR	1/10W 120Ω-F
R 9S7	103P472050	CHIP RESISTOR	1/10W 1kΩ-F
R 9S8	103P470030	CHIP RESISTOR	1/10W 120Ω-F
R 9S9	103P470030	CHIP RESISTOR	1/10W 120Ω-F
R 9T0	103P470030	CHIP RESISTOR	1/10W 120Ω-F
R 9T1	103P470030	CHIP RESISTOR	1/10W 120Ω-F
R 9T2	103P470030	CHIP RESISTOR	1/10W 120Ω-F
R 9T3	103P470010	CHIP RESISTOR	1/10W 100Ω-F
R 9T4	103P470010	CHIP RESISTOR	1/10W 100Ω-F
R 9T5	103P470010	CHIP RESISTOR	1/10W 100Ω-F
R 9T6	103P470010	CHIP RESISTOR	1/10W 100Ω-F
	CAPACITORS AND TRIMMERS		
C 201	141P144020	CHIP CAPACITOR	F16V 0.1µF-Z
C 202	141P144020	CHIP CAPACITOR	F16V 0.1µF-Z
C 203	141P144020	CHIP CAPACITOR	F16V 0.1µF-Z

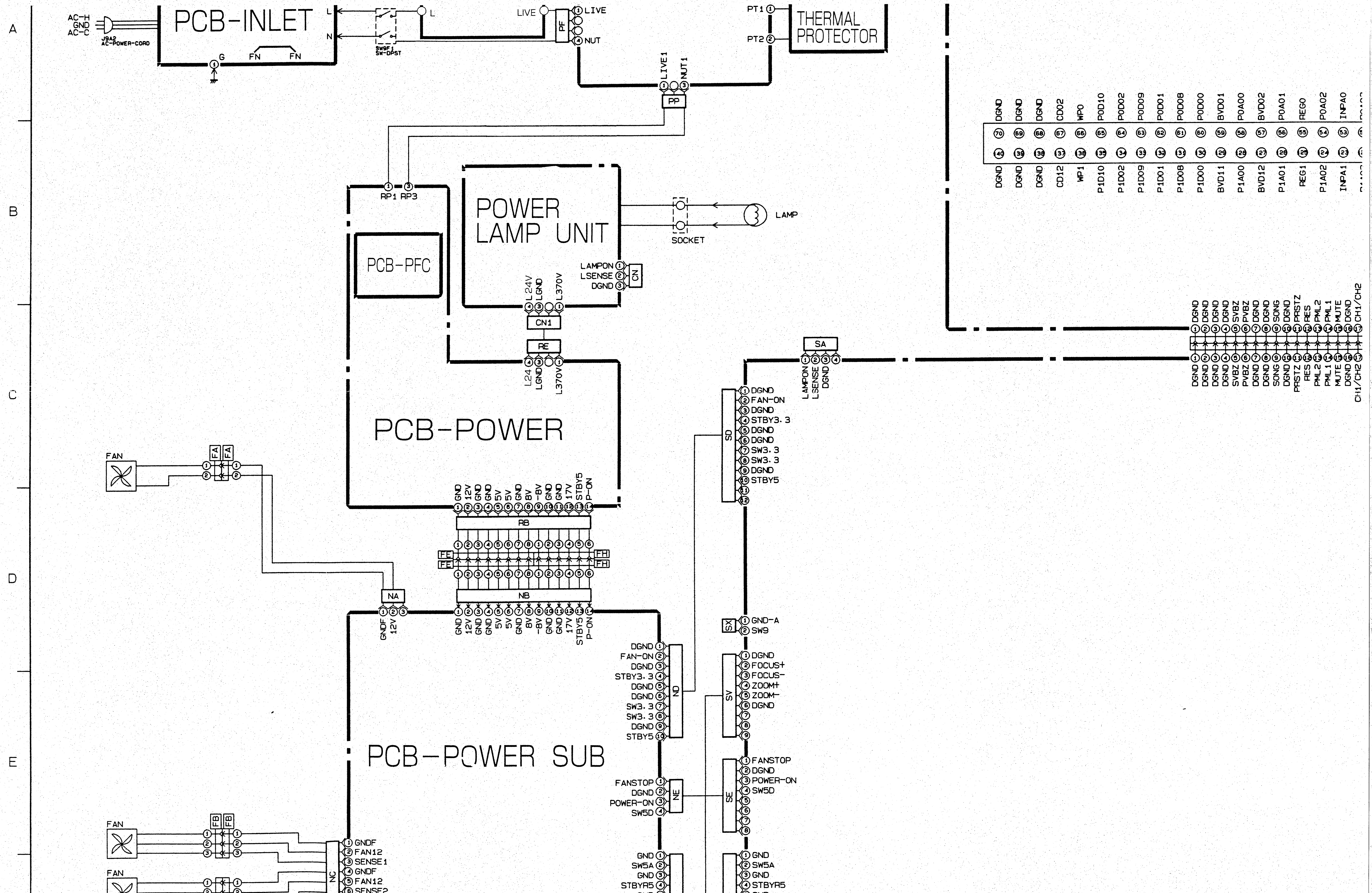
SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
C 204	141P144020	CHIP CAPACITOR	F16V 0.1µF-Z
C 205	141P144020	CHIP CAPACITOR	F16V 0.1µF-Z
C 206	141P144020	CHIP CAPACITOR	F16V 0.1µF-Z
C 207	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 208	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 209	141P144020	CHIP CAPACITOR	F16V 0.1µF-Z
C 210	141P144020	CHIP CAPACITOR	F16V 0.1µF-Z
C 211	141P144020	CHIP CAPACITOR	F16V 0.1µF-Z
C 212	141P144020	CHIP CAPACITOR	F16V 0.1µF-Z
C 213	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 214	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 215	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 216	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 217	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 218	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 219	154P343050	CHIP CAPACITOR	CH50V 100pF-J
C 220	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 221	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 222	154P340030	CHIP CAPACITOR	CK50V 2P
C 223	154P340030	CHIP CAPACITOR	CK50V 2P
C 224	154P340030	CHIP CAPACITOR	CK50V 2P
C 228	181P520080	CHIP ELECTROLYTIC-C	10V 33µF-M
C 229	141P143080	CHIP CAPACITOR	F50V 0.01µF-Z
C 230	141P144020	CHIP CAPACITOR	F16V 0.1µF-Z
C 231	181P520080	CHIP ELECTROLYTIC-C	10V 33µF-M
C 232	141P143080	CHIP CAPACITOR	F50V 0.01µF-Z
C 235	141P144020	CHIP CAPACITOR	F16V 0.1µF-Z
C 236	181P520080	CHIP ELECTROLYTIC-C	10V 33µF-M
C 237	141P143080	CHIP CAPACITOR	F50V 0.01µF-Z
C 238	141P144020	CHIP CAPACITOR	F16V 0.1µF-Z
C 239	141P135070	CHIP CAPACITOR	F16V 1µF-Z
C 240	181P520080	CHIP ELECTROLYTIC-C	10V 33µF-M
C 241	181P520080	CHIP ELECTROLYTIC-C	10V 33µF-M
C 242	181P520080	CHIP ELECTROLYTIC-C	10V 33µF-M
C 243	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 245	154P343050	CHIP CAPACITOR	CH50V 100pF-J
C 246	181P520030	CHIP ELECTROLYTIC-C	6.3V 4.7µF-M
C 247	181P520030	CHIP ELECTROLYTIC-C	6.3V 4.7µF-M
C 248	141P143080	CHIP CAPACITOR	F50V 0.01µF-Z
C 249	181P520030	CHIP ELECTROLYTIC-C	6.3V 4.7µF-M
C 250	181P520030	CHIP ELECTROLYTIC-C	6.3V 4.7µF-M
C 251	141P143080	CHIP CAPACITOR	F50V 0.01µF-Z
C 252	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 253	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 254	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 265	141P144020	CHIP CAPACITOR	F16V 0.1µF-Z
C 266	141P144020	CHIP CAPACITOR	F16V 0.1µF-Z
C 2A1	141P143030	CHIP CAPACITOR	B16V 0.1µF-K
C 2A2	181P520030	CHIP ELECTROLYTIC-C	6.3V 4.7µF-M
C 2A3	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 2A4	141P143080	CHIP CAPACITOR	F50V 0.01µF-Z
C 2A5	141P143080	CHIP CAPACITOR	F50V 0.01µF-Z
C 2A6	181P522030	CHIP ELECTROLYTIC-C	16V 10µF-M
C 2A7	172P392050	CHIP CAPACITOR	16V 0.1µF-J
C 2A8	181P520010	CHIP ELECTROLYTIC-C	6.3V 22µF-M
C 2A9	141P144020	CHIP CAPACITOR	F16V 0.1µF-Z
C 2B0	181P520030	CHIP ELECTROLYTIC-C	6.3V 4.7µF-M
C 2B1	141P143030	CHIP CAPACITOR	B16V 0.1µF-K
C 2B2	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 2B4	141P143080	CHIP CAPACITOR	F50V 0.01µF-Z
C 2B5	181P520010	CHIP ELECTROLYTIC-C	6.3V 22µF-M
C 2B6	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 2B7	181P520030	CHIP ELECTROLYTIC-C	6.3V 4.7µF-M
C 2B8	141P144020	CHIP CAPACITOR	F16V 0.1µF-Z
C 2B9	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 2C0	172P392090	CHIP CAPACITOR	16V 0.22µF-J
C 2C1	172P390070	CHIP CAPACITOR	16V 3300pF-J
C 2C2	172P392050	CHIP CAPACITOR	16V 0.1µF-J
C 2C3	172P392050	CHIP CAPACITOR	16V 0.1µF-J
C 2C4	154P341070	CHIP CAPACITOR	CH50V 18pF-J
C 2C5	154P341070	CHIP CAPACITOR	CH50V 18pF-J
C 2C6	172P392050	CHIP CAPACITOR	16V 0.1µF-J
C 2C7	141P143030	CHIP CAPACITOR	B16V 0.1µF-K
C 2C8	141P143030	CHIP CAPACITOR	B16V 0.1µF-K
C 2C9	141P143030	CHIP CAPACITOR	B16V 0.1µF-K
C 2D0	141P143030	CHIP CAPACITOR	B16V 0.1µF-K
C 2D1	141P144020	CHIP CAPACITOR	F16V 0.1µF-Z
C 2D2	181P520010	CHIP ELECTROLYTIC-C	6.3V 22µF-M
C 2D3	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 2D4	141P144020	CHIP CAPACITOR	F16V 0.1µF-Z
C 2D5	141P144020	CHIP CAPACITOR	F16V 0.1µF-Z
C 2D6	181P520010	CHIP ELECTROLYTIC-C	6.3V 22µF-M
C 2D7	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 2D8	141P144020	CHIP CAPACITOR	F16V 0.1µF-Z
C 2D9	181P522060	CHIP ELECTROLYTIC-C	16V 47µF-M
C 2E0	172P390070	CHIP CAPACITOR	16V 3300pF-J
C 2E1	172P392050	CHIP CAPACITOR	16V 0.1µF-J
C 2E2	141P144020	CHIP CAPACITOR	F16V 0.1µF-Z
C 2E3	141P140090	CHIP CAPACITOR	B50V 1000pF-K
C 2N1	181P520030	CHIP ELECTROLYTIC-C	6.3V 4.7µF-M
C 2N2	181P522060	CHIP ELECTROLYTIC-C	16V 47µF-M
C 2N3	181P520030	CHIP ELECTROLYTIC-C	6.3V 4.7µF-M
C 2N4	181P520030	CHIP ELECTROLYTIC-C	6.3V 4.7µF-M
C 300	141P135060	CHIP CAPACITOR	F16V 2.2µF-Z
C 301	141P135060	CHIP CAPACITOR	F16V 2.2µF-Z
C 302	141P135060	CHIP CAPACITOR	F16V 2.2µF-Z
C 303	141P135060	CHIP CAPACITOR	F16V 2.2µF-Z
C 304	141P135060	CHIP CAPACITOR	F16V 2.2µF-Z
C 305	141P135060	CHIP CAPACITOR	F16V 2.2µF-Z
C 306	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 307	141P135060	CHIP CAPACITOR	F16V 2.2µF-Z
C 308	141P135060	CHIP CAPACITOR	F16V 2.2µF-Z
C 309	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 310	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 350	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 351	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 352	141P143080	CHIP CAPACITOR	F50V 0.01µF-Z
C 353	181P524090	CHIP ELECTROLYTIC-C	35V 4.7µF-M
C 354	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 355	141P135060	CHIP CAPACITOR	F16V 2.2µF-Z
C 356	141P135060	CHIP CAPACITOR	F16V 2.2µF-Z
C 362	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z
C 363	141P144060	CHIP CAPACITOR	F16/10V 1µF-Z

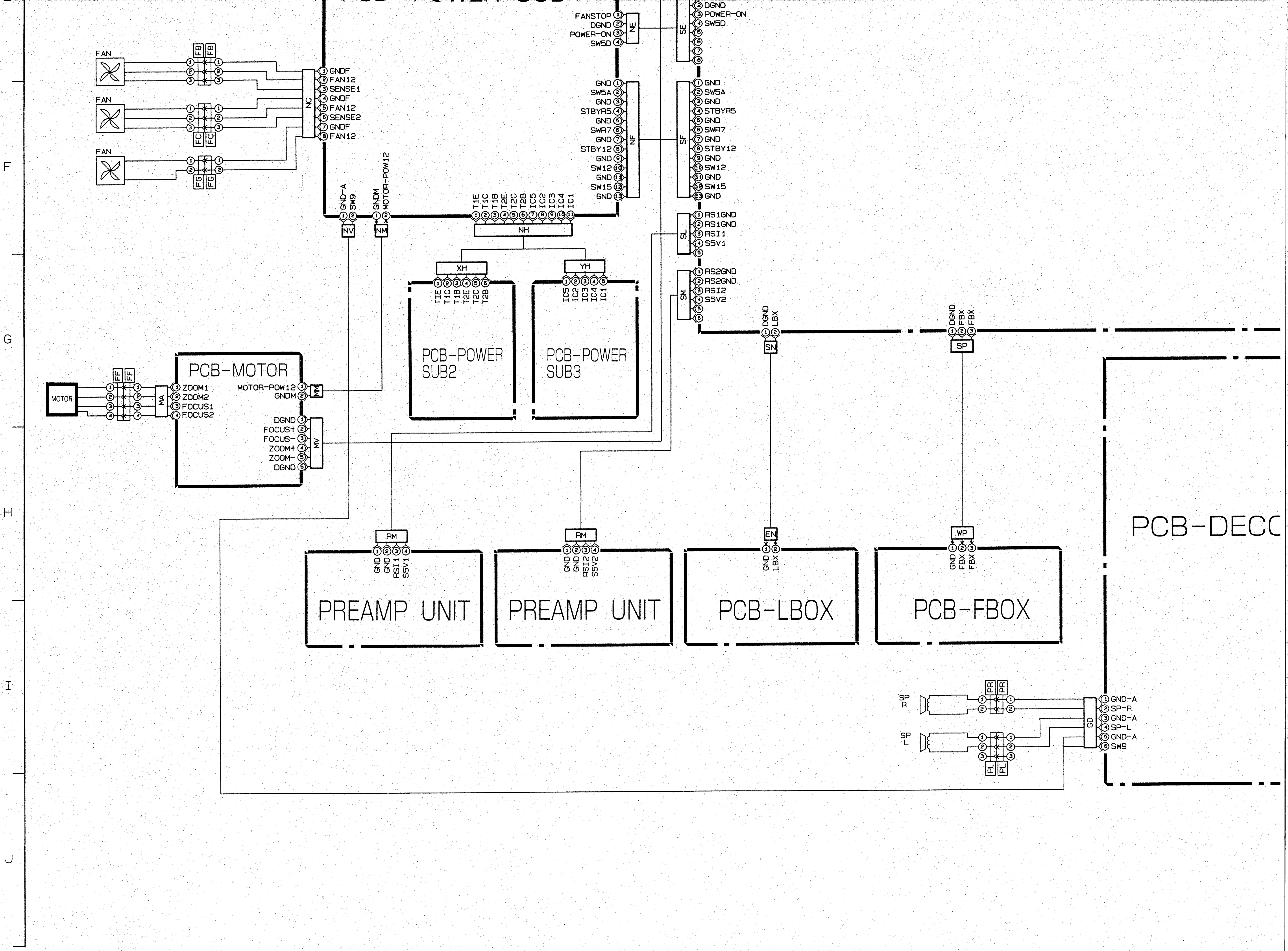
SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
⚠C 900	189P134080	C-CERAMIC-AC	F VA1 2200pF-M
⚠C 901	189P134080	C-CERAMIC-AC	F VA1 2200pF-M
C 903	185D127060	ELECTROLYTIC-C	H450V 330µF-M
C 904	185D127060	ELECTROLYTIC-C	H450V 330µF-M
C 905	181P525000	CHIP ELECTROLYTIC-C	04W 35V 10µF-F
C 908	141P135010	CHIP CAPACITOR	F25V 0.33µF-Z
C 909	141P135010	CHIP CAPACITOR	F25V 0.33µF-Z
C 951	154P336070	CHIP CAPACITOR	CH50V/25V 680pF-J
C 952	141P134010	CHIP CAPACITOR	F50V 0.047µF-Z
C 962	141P139030	CHIP CAPACITOR	B25V 0.1µF-K
C 974	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z
C 9A0	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9A1	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9A3	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9A4	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9A7	141P135070	CHIP CAPACITOR	F16V 1µF-Z
C 9A8	154P336090	CHIP CAPACITOR	CH50V/25V 1000pF-J
C 9B0	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9B1	141P135070	CHIP CAPACITOR	F16V 1µF-Z
C 9B2	154P336090	CHIP CAPACITOR	CH50V/25V 1000pF-J
C 9B4	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9B5	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9B6	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9C0	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9C1	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9C2	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9C3	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9C5	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9C6	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9C9	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9D0	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9D3	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9D4	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9D6	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9D7	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9E0	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9E2	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9E3	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9E6	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
⚠C 9F0	189P186020	C-CERAMIC-AC	AC250V E4700pF-M
⚠C 9F1	189P183070	C-M-P-AC	AC125V 0.33µF-M
⚠C 9F2	189P183080	C-M-P-AC	AC125/250V 0.47M
⚠C 9F3	189P183070	C-M-P-AC	AC125V 0.33µF-M
⚠C 9F4	189P186020	C-CERAMIC-AC	AC250V E4700pF-M
⚠C 9F5	189P186020	C-CERAMIC-AC	AC250V E4700pF-M
C 9M0	154P333010	CHIP CAPACITOR	CH50V 68pF-J
C 9M1	154P339030	CHIP CAPACITOR	CH50V 2200pF-J
C 9M2	141P139030	CHIP CAPACITOR	B25V 0.1µF-K
C 9M3	141P135080	CHIP CAPACITOR	F25V 0.1µF-Z
C 9M4	181P506010	CHIP ELECTROLYTIC-C	50V 1µF-M
C 9M5	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z
C 9M6	141P139030	CHIP CAPACITOR	B25V 0.1µF-K
C 9M7	154P335010	CHIP CAPACITOR	CH50V 470pF-J
C 9M8	154P335010	CHIP CAPACITOR	CH50V 470pF-J
C 9S1	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z
C 9S3	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z
C 9S4	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
C 9S6	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z
	SWITCHES		
⚠	433C026020	SEESAW SWITCH	MAIN POWER SW SDDJE3
⚠	439C043010	MEMBRANE SWITCH	CONTROL SW
S 9E1	434P002010	LEVER SWITCH	FILTER COVER SENSOR SW
S 9W1	434P002010	LEVER SWITCH	TOP COVER SENSOR SW
	MISCELLANEOUS		
	499B010010	LENS GEAR	
⚠	499B007010	LAMP BOX	
	288P190010	COOLING FAN	
	499B006010	LCD BLOCK	
⚠	299P222010	PROTECTOR	FUSE
	480P036010	SPEAKER	
⚠	939P701010	POWER UNIT	HVP2803DD-X1M
⚠	939P703010	PREAMP UNIT	
⚠AG9F1	224D019010	AIR GAP	1.5KV+COVER
⚠F 9F1	283D106090	FUSE	S10A
J 205	440C183030	PIN JACK(4P)	WHT2,RED2
J 206	451C206010	JACK	BNC
J 207	451C086040	JACK PIN	YELLOW
J 208	451C104010	JACK HEADPHONE	BLACK
J 209	451C104010	JACK HEADPHONE	BLACK
J 210	449C145010	SOCKET DIN MINI	
J 211	449C145010	SOCKET DIN MINI	
⚠J 901	451D081020	JACK POWER	3P
⚠K 900	287P097010	RELAY	VS-24MB-NR-VD3
⚠PC950	268P050010	PHOTO COUPLER	TLP621(GB-LF2)
⚠PC951	268P050010	PHOTO COUPLER	TLP621(GB-LF2)
⚠RV9F1	265P100030	VARISTOR	ERZV10D511
X 2A0	285P131040	CRYSTAL RESONATOR	3.58MHz
X 2A1	285P132040	CRYSTAL RESONATOR	4.43MHz
⚠Z 950	299P194020	THERMOSTAT	67L100-S
	PRINTED CIRCUIT BOARD ASSY'S		
⚠	935D401002	COIL PCB ASSY	
⚠	935C793001	DECODER PCB ASSY	
⚠	935B235003	FILTER PCB ASSY	
⚠	935D371003	INLET PCB ASSY	
⚠	935A077002	MAIN PCB ASSY	
⚠	935D386001	MOTOR PCB ASSY	
⚠	935B231001	PCCARD PCB ASSY	
⚠	935D387001	PFC PCB ASSY	
⚠	935B233003	POWER PCB ASSY	
⚠	935B234001	POWER SUB PCB ASSY	
⚠	935D388001	POWER SUB 2 PCB ASSY	
⚠	935D389001	POWER SUB 3 PCB ASSY	
⚠	935B232002	TERMINAL PCB ASSY	
	MECHANICAL PARTS		
	685D032020	RETAINING RING	ETW-3
	631D794010	SCREW	SUS 304-BD
	669D245010	SCREW	M4X0.7-8
	669D171070	SCREW	M3X20-0.5
	669D204090	SCREW	M2.6X6
	669D220010	SCREW	3X6 46LA005

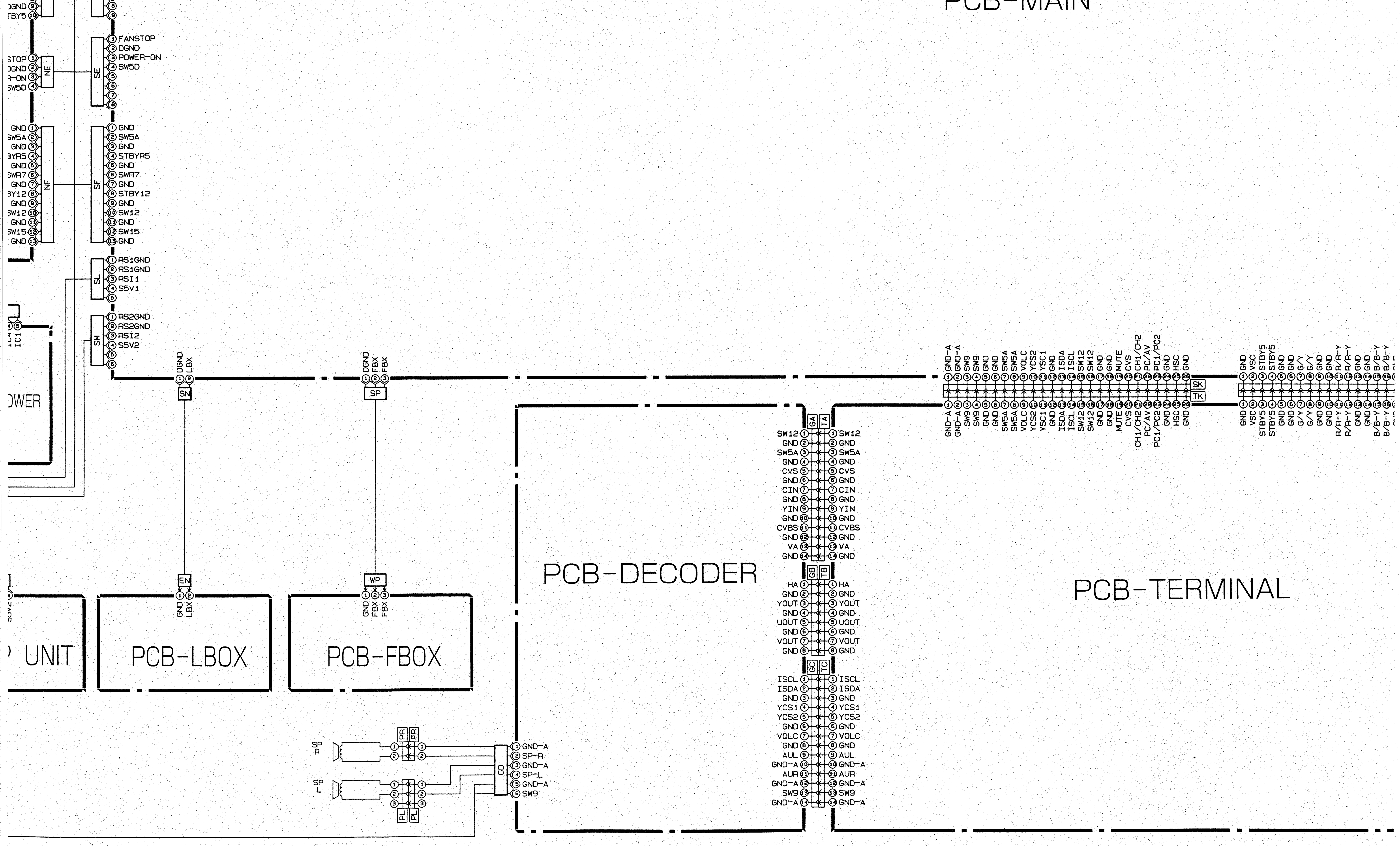
SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
	669D220040	SCREW	3X12 46LA005
	669D221060	SCREW	4X16 46LA005
	669D212010	SCREW	3X12
	COSMETIC PARTS		
	771B086010	ADJUSTER	
	975D102040	BOTTOM COVER ASSY	
	975D100080	TOP CASE	
	975D100090	TOP COVER ASSY	
	750A283010	FRONT COVER	
	752B038010	COVER FILTER	
	702C954060	DOOR	
	499B004010	FIELD LENS BLOCK	
	640C178010	FILTER	
	752B037010	HANDLE	
	499B008010	LENS UNIT	
	499B009030	LENS COVER	
	499B005030	POLARIZER B	
	499B005020	POLARIZER G	
	499B005010	POLARIZER R	
	761B320010	TERMINAL BOARD	
	750A283040	FRONT CASE UNIT	
	PACKING PARTS AND ACCESSORY		
1	803A487010	PACKING CUSHION	
2	803A488010	PACKING CUSHION	
3	802D277010	PACKING SHEET	
4	831D190090	PACKING SHEET	
5	831D190010	PACKING SHEET	900X900
6	802B621030	PACKING CASE	
7	831C081020	PACKING BAG	
8	831D181020	PACKING BAG	375X250 0.06T
⚠ 9	246C284030	AC POWER CORD	
⚠ 10	246C284040	AC POWER CORD	
11	246C319010	MAC ADAPTER	
12	452D173010	CONNECTOR BNC/RCA	
13	246C318010	CABLE	RGB(15P)
14	246C320010	CABLE	RS232C(9P)
15	246C321010	CABLE	PC(9P)-MAC(8P)
16	939P700010	REMOTE HAND UNIT	
17	871D219030	INSTRUCTION BOOK	

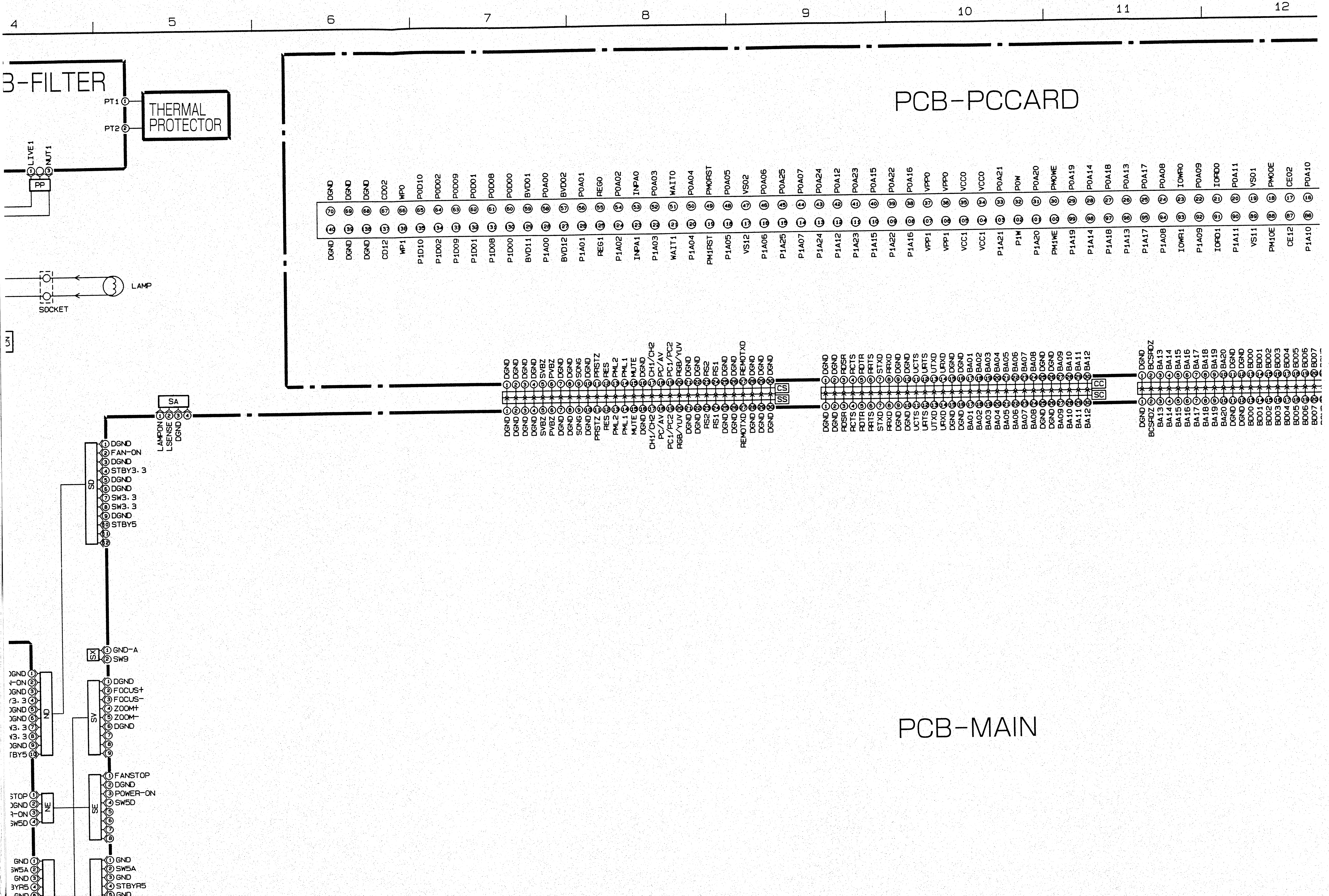
SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION

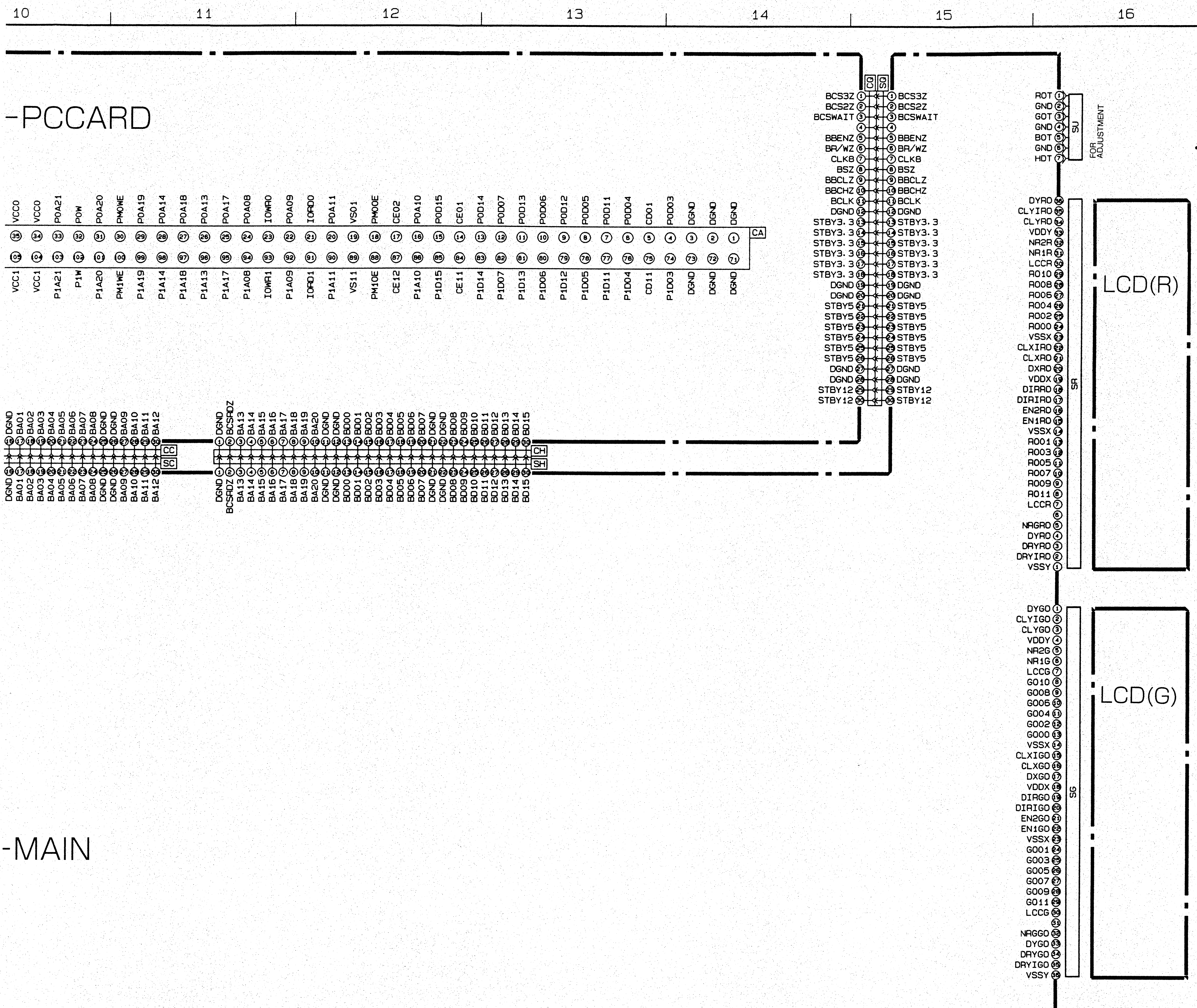

A
B
C
D
E
AC-H
GND
AC-C
J9A2
AC-POWER-CORD
PCB-INLET
L
N
G
FN
FN
SW9F1
SW-DPST
L
LIVE
PF
LIVE
NUT
LIVE1
NUT1
PP
PT1
PT2
THERMAL PROTECTOR
RP1 RP3
POWER LAMP UNIT
SOCKET
LAMP
PCB-PFC
LAMPON
LSENSE
DGND
CN
L24V
LGND
L370V
CN1
RE
PCB-POWER
FAN
FA
FA
GND
12V
GND
GND
GND
5V
5V
GND
8V
-8V
GND
GND
17V
STBY5
P-ON
RB
FE
FE
FH
FH
NB
NA
GNDF
12V
SA
SD
DGND
FAN-ON
DGND
STBY3.3
DGND
DGND
SW3.3
SW3.3
DGND
STBY5
SX
GND-A
SW9
ND
SV
DGND
FOCUS+
FOCUS-
ZOOM+
ZOOM-
DGND
PCB-POWER SUB
FANSTOP
DGND
POWER-ON
SW5D
NE
SE
FAN
FB
FB
FAN
NC
GNDF
FAN12
SENSE1
GNDF
FAN12
SENSE2
GND
SW5A
GND
STBYR5
DGND
DGND
DGND
CD02
WP0
P0D10
P0D02
P0D09
P0D01
P0D08
P0D00
BVD01
P0A00
BVD02
P0A01
REG0
P0A02
INPA0
DGND
DGND
DGND
CD12
WP1
P1D10
P1D02
P1D09
P1D01
P1D08
P1D00
BVD11
P1A00
BVD12
P1A01
REG1
P1A02
INPA1
DGND
DGND
DGND
DGND
SVBZ
PVBZ
DGND
DGND
SONG
DGND
PRSTZ
RES
PML2
PML1
MUTE
DGND
CH1/CH2


F
G
H
I
J
FAN
FAN
FAN
FB
FC
FG
NC
GNDF
FAN12
SENSE1
GNDF
FAN12
SENSE2
GNDF
FAN12
FANSTOP
DGND
POWER-ON
SW5D
NE
SE
DGND
POWER-ON
SW5D
GND
SW5A
GND
STBYR5
GND
SWR7
GND
STBY12
GND
SW12
GND
SW15
GND
NF
SF
RS1GND
RS1GND
RSI1
S5V1
SL
RS2GND
RS2GND
RSI2
S5V2
SM
GND-A
SW9
NV
GNDM
MOTOR-POW12
NM
T1E
T1C
T1B
T2E
T2C
T2B
IC5
IC2
IC3
IC4
IC1
NH
XH
YH
PCB-POWER SUB2
PCB-POWER SUB3
DGND
LBX
SN
DGND
FBX
FBX
SP
PCB-MOTOR
MOTOR
FF
MA
ZOOM1
ZOOM2
FOCUS1
FOCUS2
MOTOR-POW12
GNDM
MM
DGND
FOCUS+
FOCUS-
ZOOM+
ZOOM-
DGND
MV
RM
GND
GND
RSI1
S5V1
PREAMP UNIT
RM
GND
GND
RSI2
S5V2
PREAMP UNIT
EN
GND
LBX
PCB-LBOX
WP
GND
FBX
FBX
PCB-FBOX
PCB-DECC
SP R
SP L
PR
PL
GD
GND-A
SP-R
GND-A
SP-L
GND-A
SW9

1


PCB-MAIN
PCB-DECODER
PCB-TERMINAL
PCB-LBOX
PCB-FBOX
UNIT
OWER
NE
SE
1 FANSTOP
2 DGND
3 POWER-ON
4 SW5D
NF
SF
1 GND
2 SW5A
3 GND
4 STBYR5
5 GND
6 SWR7
7 GND
8 STBY12
9 GND
10 SW12
11 GND
12 SW15
13 GND
SL
1 RS1GND
2 RS1GND
3 RSI1
4 S5V1
SM
1 RS2GND
2 RS2GND
3 RSI2
4 S5V2
IC1
SN
1 DGND
2 LBX
EN
1 GND
2 LBX
SP
1 DGND
2 FBX
3 FBX
WP
1 GND
2 FBX
3 FBX
GA
TA
1 SW12
2 GND
3 SW5A
4 GND
5 CVS
6 GND
7 CIN
8 GND
9 YIN
10 GND
11 CVBS
12 GND
13 VA
14 GND
GB
TB
1 HA
2 GND
3 YOUT
4 GND
5 UOUT
6 GND
7 VOUT
8 GND
GC
TC
1 ISCL
2 ISDA
3 GND
4 YCS1
5 YCS2
6 GND
7 VOLC
8 GND
9 AUL
10 GND-A
11 AUR
12 GND-A
13 SW9
14 GND-A
GD
1 GND-A
2 SP-R
3 GND-A
4 SP-L
5 GND-A
6 SW9
PR
PL
SP R
SP L
SK
TK
1 GND-A
2 GND-A
3 SW9
4 SW9
5 GND
6 GND
7 SW5A
8 SW5A
9 VOLC
10 YCS2
11 YSC1
12 GND
13 ISDA
14 ISCL
15 SW12
16 SW12
17 GND
18 GND
19 MUTE
20 CVS
21 CH1/CH2
22 PC/AV
23 PC1/PC2
24 GND
25 HSC
26 GND
1 GND
2 VSC
3 STBY5
4 STBY5
5 GND
6 GND
7 G/Y
8 G/Y
9 GND
10 GND
11 R/R-Y
12 R/R-Y
13 GND
14 GND
15 B/B-Y
16 B/B-Y


4
5
6
7
8
9
10
11
12
B-FILTER
PT1
PT2
THERMAL PROTECTOR
LIVE1
NUT1
PP
LAMP
SOCKET
PCB-PCCARD
DGND DGND DGND CD02 WP0 P0D10 P0D02 P0D09 P0D01 P0D08 P0D00 BVD01 P0A00 BVD02 P0A01 REG0 P0A02 INPA0 P0A03 WAIT0 P0A04 PM0RST P0A05 VS02 P0A06 P0A25 P0A07 P0A24 P0A12 P0A23 P0A15 P0A22 P0A16 VPP0 VPP0 VCC0 VCC0 P0A21 P0W P0A20 PM0WE P0A19 P0A14 P0A18 P0A13 P0A17 P0A08 IOWR0 P0A09 IORD0 P0A11 VS01 PM0OE CE02 P0A10
DGND DGND DGND CD12 WP1 P1D10 P1D02 P1D09 P1D01 P1D08 P1D00 BVD11 P1A00 BVD12 P1A01 REG1 P1A02 INPA1 P1A03 WAIT1 P1A04 PM1RST P1A05 VS12 P1A06 P1A25 P1A07 P1A24 P1A12 P1A23 P1A15 P1A22 P1A16 VPP1 VPP1 VCC1 VCC1 P1A21 P1W P1A20 PM1WE P1A19 P1A14 P1A18 P1A13 P1A17 P1A08 IOWR1 P1A09 IORD1 P1A11 VS11 PM1OE CE12 P1A10
CS
SS
DGND DGND DGND DGND SVBZ PVBZ DGND DGND SONG DGND PRSTZ RES PML2 PML1 MUTE DGND CH1/CH2 PC/AV PC1/PC2 RGB/YUV DGND DGND RS2 RS1 DGND DGND REMOTXD DGND DGND DGND
CC
SC
DGND DGND RDSR RCTS RDTR RRTS STXD RRXD DGND DGND UCTS URTS UTXD URXD DGND DGND BA01 BA02 BA03 BA04 BA05 BA06 BA07 BA08 DGND DGND BA09 BA10 BA11 BA12
DGND BCSRDZ BA13 BA14 BA15 BA16 BA17 BA18 BA19 BA20 DGND DGND BD00 BD01 BD02 BD03 BD04 BD05 BD06 BD07
SA
LAMPON
LSENSE
DGND
SD
DGND
FAN-ON
DGND
STBY3.3
DGND
DGND
SW3.3
SW3.3
DGND
STBY5
SX
GND-A
SW9
ND
DGND
FAN-ON
DGND
SW3.3
DGND
DGND
SW3.3
SW3.3
DGND
STBY5
SV
DGND
FOCUS+
FOCUS-
ZOOM+
ZOOM-
DGND
NE
FANSTOP
DGND
POWER-ON
SW5D
SE
FANSTOP
DGND
POWER-ON
SW5D
GND
SW5A
GND
STBYR5
GND
PCB-MAIN


10
11
12
13
14
15
16
-PCCARD
-MAIN
CA
CC
SC
CH
SH
CQ
SQ
SU
SR
SG
FOR ADJUSTMENT
LCD(R)
LCD(G)
BCS3Z
BCS2Z
BCSWAIT
BBENZ
BR/WZ
CLK8
BSZ
BBCLZ
BBCHZ
BCLK
DGND
STBY3. 3
STBY5
STBY12
ROT
GND
GOT
BOT
HDT
DYRO
CLYIRO
CLYRO
VDDY
NR2R
NR1R
LCCR
RO10
RO08
RO06
RO04
RO02
RO00
VSSX
CLXIRO
CLXRO
DXRO
VDDX
DIRRO
DIRIRO
EN2RO
EN1RO
RO01
RO03
RO05
RO07
RO09
RO11
NRGRO
DRYRO
DRYIRO
VSSY
DYGO
CLYIGO
CLYGO
NR2G
NR1G
LCCG
GO10
GO08
GO06
GO04
GO02
GO00
CLXIGO
CLXGO
DXGO
DIRGO
DIRIGO
EN2GO
EN1GO
GO01
GO03
GO05
GO07
GO09
GO11
NRGGO
DRYGO
DRYIGO
VSSY

SCHEMATIC DIAGRAM

MODEL : LVP-X100E

- **NOTE**

1. DC voltages were measured from points indicated to the circuit ground with a high-Z voltmeter.
2. Waveforms were taken with standard colour bar signal.
3. TP6A, etc. show Test Points.
4. Capacitors

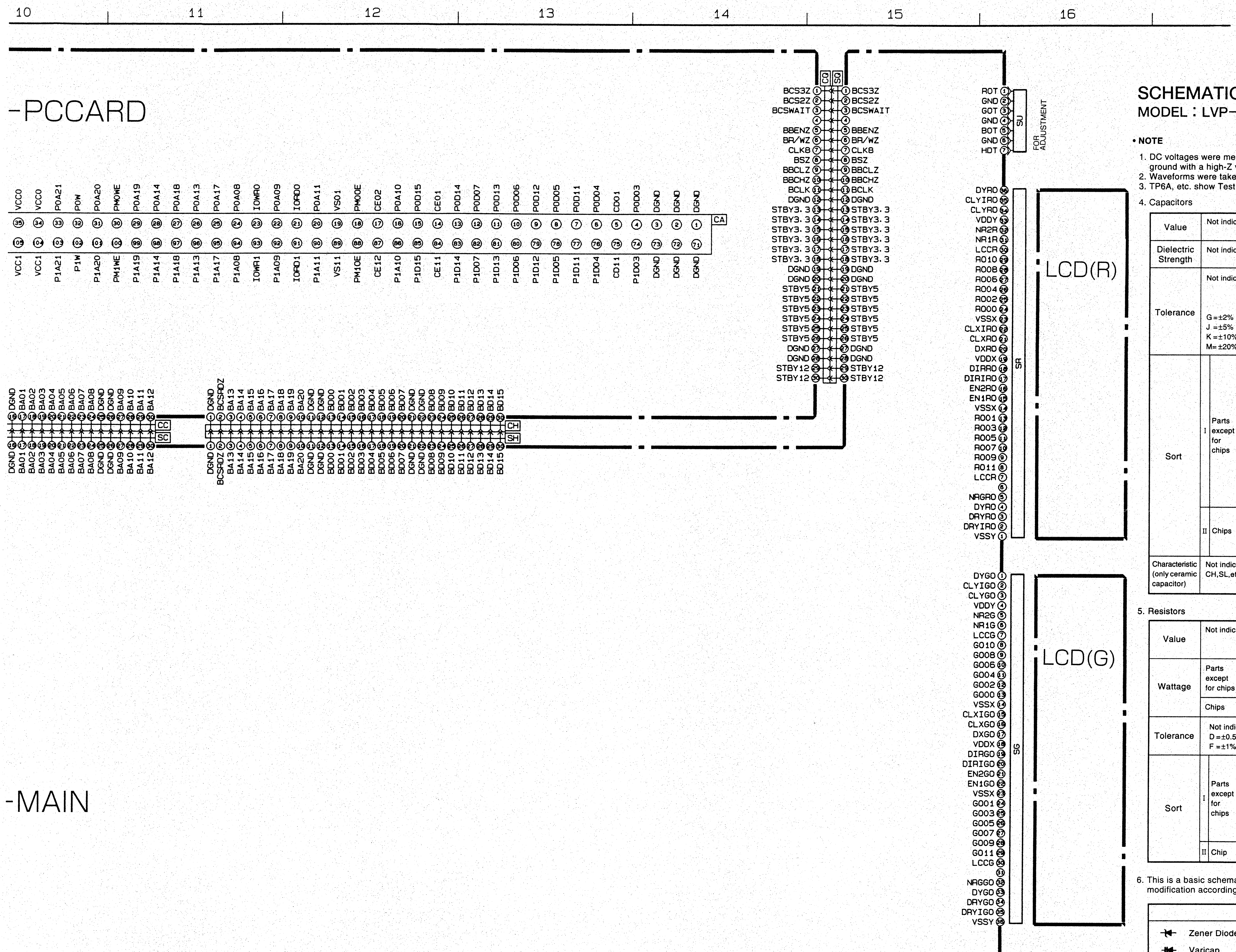
Value		Not indicated: PF, for numbers more than 1 µF, for numbers less than 1
Dielectric Strength		Not indicated :50V
Tolerance		Not indicated =±10% [No Tolerance is indicated for electrolytic capacitors and ±20%] G=±2% P=+100% −0% Q=+30% −10% C=±0.25PF J=±5% Z=+80% −20% T=+200% −0% D=±0.5PF K=±10% F=±1PF M=±20% G=±2PF
Sort	I Parts except for chips	Not indicated : Ceramic capacitor (MF) : Polyester capacitor (PP) : Polypropylene film capacitor (ALM) : Aluminus electrolytic capacitor (TF) : Twin film capacitor (SC) : Semiconductor ceramic capacitor (MP) : Metalized paper (MPP) : Metalized plastic film capacitor (MMF) : Metalized polyester capacitor (MF.PP) : Polyester polypropylence film capacitor (PS) : Styrol capacitor (TAN) or (TANT) : Tantalum capacitor : Electrolytic capacitor (BP) or (NP) : Non polarized electrolytic capacitor
	II Chips	Not indicated : Ceramic capacitor chip : Electrolytic capacitor (BP) or (NP) : Non polarized electrolytic capacitor chip
Characteristic (only ceramic capacitor)		Not indicated : F or B(high dielectric percentage) CH,SL,etc. : Temperature compensating types

5. Resistors

Value		Not indicated = Ω K = kΩ(1000Ω) M = MΩ(1000kΩ)
Wattage	Parts except for chips	Not indicated = 1/4W or 1/6W
	Chips	Not indicated = 1/10W
Tolerance		Not indicated =±5% D=±0.5% J=±5% F=±1% K=±10%
Sort	I Parts except for chips	Not indicated : Carbon resistor (S) : Fixed composition resistor (MB) : Metal oxide film resistor(type B) (CE) : Cemented resistor (W) : Wire wound resistor (M) : Metal film resistor (MPC) : Metal plate cement resistor (ML) : Metal liner resistor
	II Chip	Not indicated : Chip resistor

6. This is a basic schematic diagram. Some sets may be subject to modification according to engineering improvement.

SPECIFIC SYMBOL	
Zener Diode	Crystal unit
Varicap	Air Gap


10
11
12
13
14
15
16
-PCCARD
-MAIN
CA
VCC0 VCC0 P0A21 P0W P0A20 PM0WE P0A19 P0A14 P0A18 P0A13 P0A17 P0A08 IOWR0 P0A09 IORD0 P0A11 VS01 PM0OE CE02 P0A10 P0D15 CE01 P0D14 P0D07 P0D13 P0D06 P0D12 P0D05 P0D11 P0D04 CD01 P0D03 DGND DGND DGND
VCC1 VCC1 P1A21 P1W P1A20 PM1WE P1A19 P1A14 P1A18 P1A13 P1A17 P1A08 IOWR1 P1A09 IORD1 P1A11 VS11 PM1OE CE12 P1A10 P1D15 CE11 P1D14 P1D07 P1D13 P1D06 P1D12 P1D05 P1D11 P1D04 CD11 P1D03 DGND DGND DGND
CC
SC
DGND BA01 BA02 BA03 BA04 BA05 BA06 BA07 BA08 DGND DGND DGND BA09 BA10 BA11 BA12
CH
SH
DGND BCSRDZ BA13 BA14 BA15 BA16 BA17 BA18 BA19 BA20 DGND DGND BD00 BD01 BD02 BD03 BD04 BD05 BD06 BD07 DGND DGND BD08 BD09 BD10 BD11 BD12 BD13 BD14 BD15
CQ
SQ
BCS3Z BCS2Z BCSWAIT BBENZ BR/WZ CLKB BSZ BBCLZ BBCHZ BCLK DGND STBY3.3 STBY3.3 STBY3.3 STBY3.3 STBY3.3 STBY3.3 DGND DGND STBY5 STBY5 STBY5 STBY5 STBY5 STBY5 DGND DGND STBY12 STBY12
SU
FOR ADJUSTMENT
ROT GND GOT GND BOT GND HDT
SR
DYRO CLYIRO CLYRO VDDY NR2R NR1R LCCR RO10 RO08 RO06 RO04 RO02 RO00 VSSX CLXIRO CLXRO DXRO VDDX DIRRO DIRIRO EN2RO EN1RO VSSX RO01 RO03 RO05 RO07 RO09 RO11 LCCR NRGRO DYRO DRYRO DRYIRO VSSY
LCD(R)
SG
DYGO CLYIGO CLYGO VDDY NR2G NR1G LCCG GO10 GO08 GO06 GO04 GO02 GO00 VSSX CLXIGO CLXGO DXGO VDDX DIRGO DIRIGO EN2GO EN1GO VSSX GO01 GO03 GO05 GO07 GO09 GO11 LCCG NRGGO DYGO DRYGO DRYIGO VSSY
LCD(G)

SCHEMATIC DIAGRAM

MODEL : LVP-X100E

• NOTE

1. DC voltages were measured from points indicated to the circuit ground with a high-Z voltmeter.
2. Waveforms were taken with standard colour bar signal.
3. TP6A, etc. show Test Points.
4. Capacitors

Value		Not indicated [PF, for numbers more than 1 µF, for numbers less than 1
Dielectric Strength		Not indicated :50V
Tolerance		Not indicated =±10% [No Tolerance is indicated for electrolytic capacitors and ±20%] G=±2% P=+100% −0% Q=+30% −10% C=±0.25PF J=±5% Z=+80% −20% T=+200% −0% D=±0.5PF K=±10% F=±1PF M=±20% G=±2PF
Sort	I Parts except for chips	Not indicated : Ceramic capacitor (MF) : Polyester capacitor (PP) : Polypropylene film capacitor (ALM) : Aluminus electrolytic capacitor (TF) : Twin film capacitor (SC) : Semiconductor ceramic capacitor (MP) : Metalized paper (MPP) : Metalized plastic film capacitor (MMF) : Metalized polyester capacitor (MF,PP) : Polyester polypropylene film capacitor (PS) : Styrol capacitor (TAN)or(TANT) : Tantalum capacitor —╫— : Electrolytic capacitor (BP)or(NP) : Non polarized electrolytic capacitor
	II Chips	Not indicated : Ceramic capacitor chip —╫— : Electrolytic capacitor (BP)or(NP) : Non polarized electrolytic capacitor chip
Characteristic (only ceramic capacitor)		Not indicated : F or B(high dielectric percentage) CH,SL,etc. : Temperature compensating types

5. Resistors

Value		Not indicated = Ω K = kΩ(1000Ω) M = MΩ(1000kΩ)
Wattage	Parts except for chips	Not indicated = 1/4W or 1/6W
	Chips	Not indicated = 1/10W
Tolerance		Not indicated =±5% D=±0.5% J=±5% F=±1% K=±10%
Sort	I Parts except for chips	Not indicated : Carbon resistor (S) : Fixed composition resistor (MB) : Metal oxide film resistor(type B) (CE) : Cemented resistor (W) : Wire wound resistor (M) : Metal film resistor (MPC) : Metal plate cement resistor (ML) : Metal liner resistor
	II Chip	Not indicated : Chip resistor

6. This is a basic schematic diagram. Some sets may be subject to modification according to engineering improvement.

SPECIFIC SYMBOL

Zener Diode	Crystal unit
Varicap	Air Gap

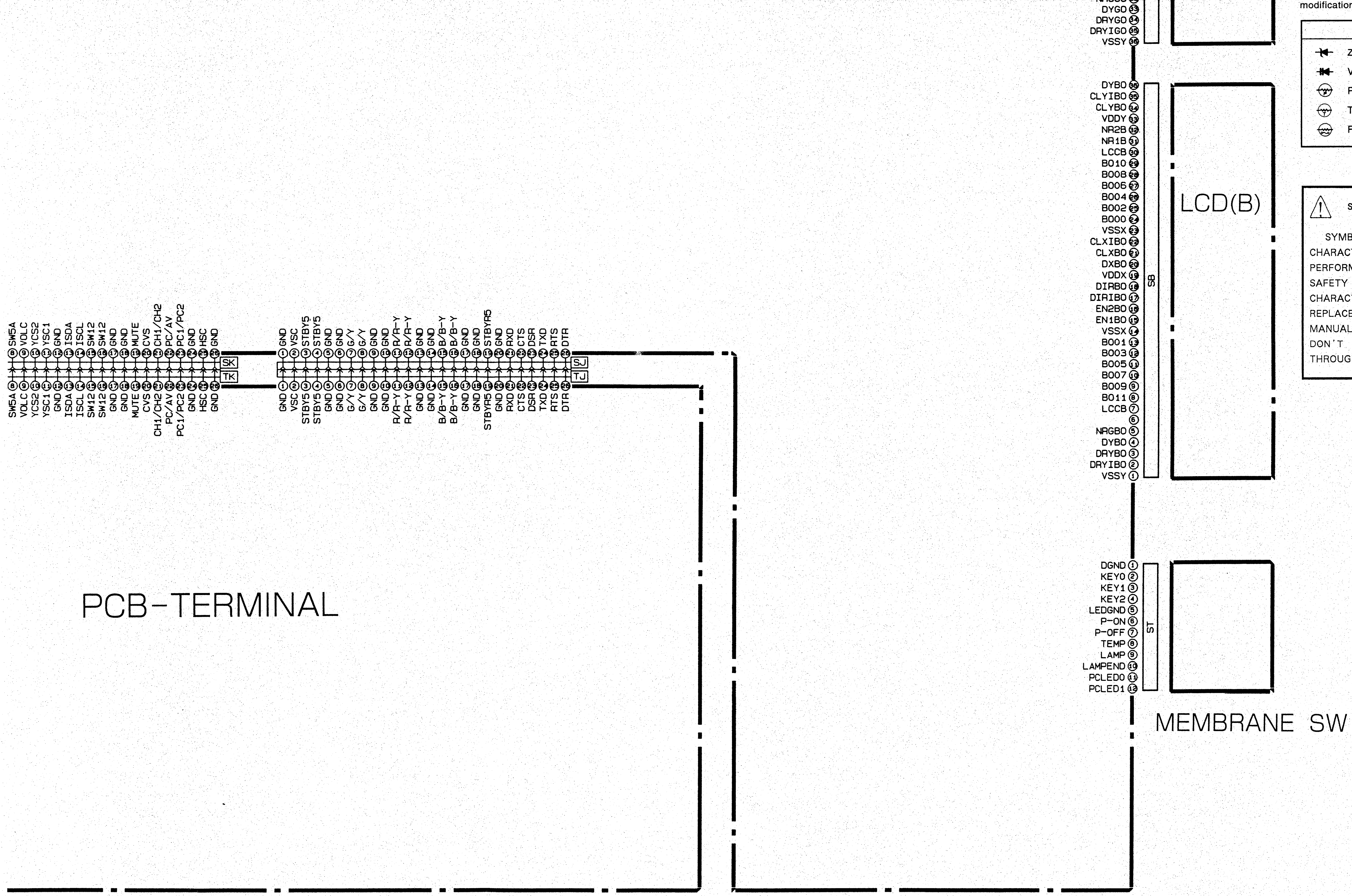
modification according to engineering improvement.

SPECIFIC SYMBOL			
	Zener Diode		Crystal unit
	Varicap		Air Gap
	Posistor		Part(resistor) attached on the copper-foil side of PCB
	Thermistor		Ceramic filter
	Fusible Resistor		

⚠ SERVICING PRECAUTION

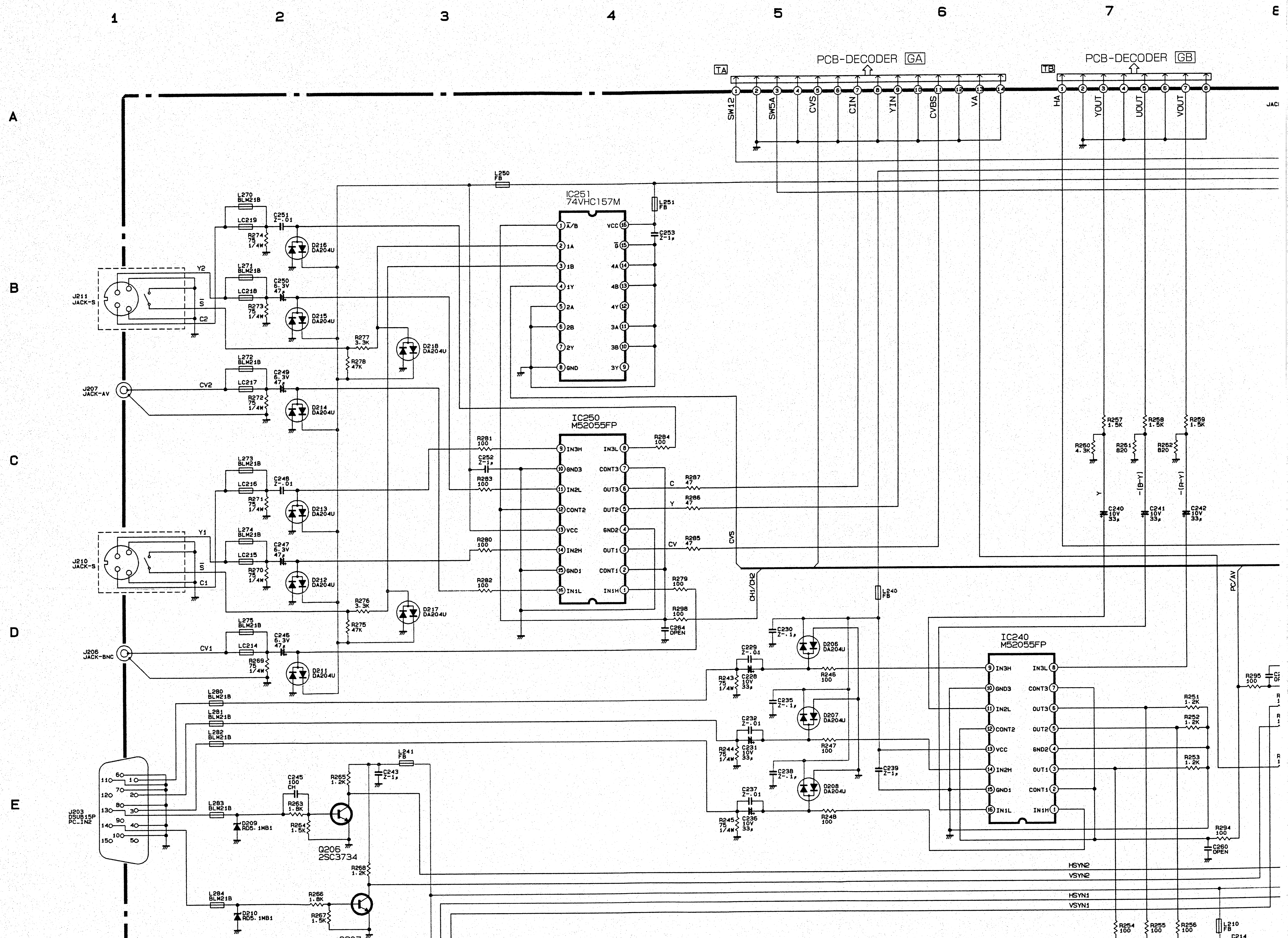
SYMBOLS INDICATE COMPONENTS HAVING SPECIAL CHARACTERISTICS IMPORTANT TO SAFETY AND PERFORMANCE. THERFORE REPLACEMENT OF ANY SAFETY PARTS SHOULD BE IDENTICAL IN VALUE AND CHARACTERISTICS. FOR ACCURACY OF THE REPLACEMENT REFER TO THE PARTS LIST OF SERVICE MANUAL.

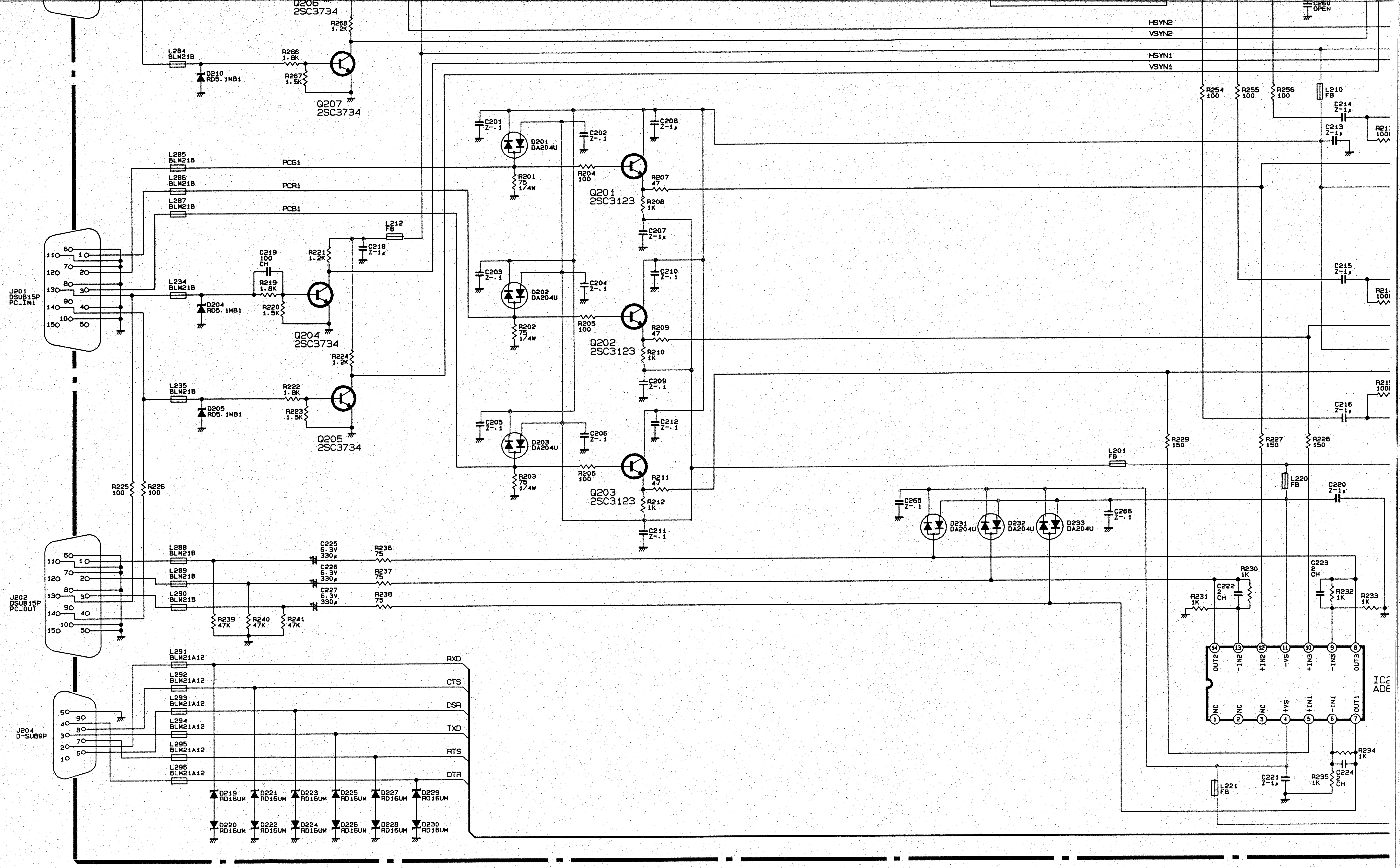
DON'T DEGRADE THE SAFETY OF THE RECEIVERS THROUGH IMPROPER SERVICING.


PCB-TERMINAL
SK
TK
SJ
TJ
SW5A VDLC YCS2 YSC1 GND ISDA ISCL SW12 SW12 GND GND MUTE CVS CH1/CH2 PC/AV PC1/PC2 GND HSC GND
GND VSC STBY5 STBY5 GND GND G/Y G/Y GND GND R/R-Y R/R-Y GND GND B/B-Y B/B-Y GND GND STBYR5 GND RXD CTS DSR TXD RTS DTR
DYGO DRYGO DRYIGO VSSY
DYBO CLYIBO CLYBO VDDY NR2B NR1B LCCB BO10 BO08 BO06 BO04 BO02 BO00 VSSX CLXIBO CLXBO DXBO VDDX DIRBO DIRIBO EN2BO EN1BO VSSX BO01 BO03 BO05 BO07 BO09 BO11 LCCB NRGBO DYBO DRYBO DRYIBO VSSY
SB
LCD(B)
DGND KEY0 KEY1 KEY2 LEDGND P-ON P-OFF TEMP LAMP LAMPEND PCLEDO PCLED1
ST
MEMBRANE SW

LVP-X100E CONTENTS

BLOCK DIAGRAM ······	①	ASIC2-MAIN(3/7) ······	⑥
TERMINAL ······	②	SUBUCOM-MAIN(4/7) ······	⑦
POWER、POWER SUB ······	③	ASIC3-MAIN(5/7) ······	⑧
MOTOR、INLET、COIL ······	③	DECODER ······	⑧
FILTER、PFC ······	③	DRIVE1-MAIN(6/7) ······	⑨
POWER SUB2、POWER SUB3 ······	③	DRIVE2-MAIN(7/7) ······	⑩
FBOX、LBOX ······	③	PCCARD(1/2) ······	⑪
AD-MAIN(1/7) ······	④	PCCARD(2/2) ······	⑫
ASIC1-MAIN(2/7) ······	⑤		


1
2
3
4
5
6
7
8
A
B
C
D
E
PCB-DECODER GA
PCB-DECODER GB
TA
TB
SW12
SW5A
CVS
CIN
YIN
CVBS
VA
HA
YOUT
UOUT
VOUT
IC251
74VHC157M
IC250
M52055FP
IC240
M52055FP
J211
JACK-S
J207
JACK-AV
J210
JACK-S
J206
JACK-BNC
J203
DSUB15P
PC_IN2
Q206
2SC3734
Y2
C2
CV2
Y1
C1
CV1
CH1/CH2
PC/AV
HSYN2
VSYN2
HSYN1
VSYN1
L250 FB
L251 FB
L240 FB
L241 FB
L210 FB
L270 BLM21B
L271 BLM21B
L272 BLM21B
L273 BLM21B
L274 BLM21B
L275 BLM21B
L280 BLM21B
L281 BLM21B
L282 BLM21B
L283 BLM21B
L284 BLM21B
LC219
LC218
LC217
LC216
LC215
LC214
C251 Z-.01
C250 6.3V 47µ
C249 6.3V 47µ
C248 Z-.01
C247 6.3V 47µ
C246 6.3V 47µ
C253 Z-1µ
C252 Z-1µ
C264 OPEN
C240 10V 33µ
C241 10V 33µ
C242 10V 33µ
C229 Z-.01
C228 10V 33µ
C230 Z-.1µ
C232 Z-.01
C231 10V 33µ
C235 Z-.1µ
C237 Z-.01
C236 10V 33µ
C238 Z-.1µ
C239 Z-1µ
C243 Z-1µ
C245 100 CH
C260 OPEN
R274 75 1/4W
R273 75 1/4W
R272 75 1/4W
R271 75 1/4W
R270 75 1/4W
R269 75 1/4W
R277 3.3K
R278 47K
R276 3.3K
R275 47K
R281 100
R283 100
R280 100
R282 100
R284 100
R287 47
R286 47
R285 47
R279 100
R298 100
R257 1.5K
R258 1.5K
R259 1.5K
R260 4.3K
R261 820
R262 820
R243 75 1/4W
R244 75 1/4W
R245 75 1/4W
R246 100
R247 100
R248 100
R251 1.2K
R252 1.2K
R253 1.2K
R254 100
R255 100
R256 100
R294 100
R295 100
R263 1.8K
R264 1.5K
R265 1.2K
R266 1.8K
R267 1.5K
R268 1.2K
D216 DA204U
D215 DA204U
D218 DA204U
D214 DA204U
D213 DA204U
D212 DA204U
D217 DA204U
D211 DA204U
D206 DA204U
D207 DA204U
D208 DA204U
D209 RD5.1MB1
D210 RD5.1MB1
C
Y
CV
CVS
Y
-(B-Y)
-(R-Y)
A/B
1A
1B
1Y
2A
2B
2Y
GND
VCC
G
4A
4B
4Y
3A
3B
3Y
IN3H
GND3
IN2L
CONT2
VCC
IN2H
GND1
IN1L
IN3L
CONT3
OUT3
OUT2
GND2
OUT1
CONT1
IN1H
S
JACK



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PC_IN1
J202
DSUB15P
PC_OUT
J204
D-SUB9P
Q207
2SC3734
Q204
2SC3734
Q205
2SC3734
Q201
2SC3123
Q202
2SC3123
Q203
2SC3123
D201
DA204U
D202
DA204U
D203
DA204U
D231
DA204U
D232
DA204U
D233
DA204U
D210
RD5.1MB1
D204
RD5.1MB1
D205
RD5.1MB1
L284
BLM21B
L285
BLM21B
L286
BLM21B
L287
BLM21B
L234
BLM21B
L235
BLM21B
L288
BLM21B
L289
BLM21B
L290
BLM21B
L291
BLM21A12
L292
BLM21A12
L293
BLM21A12
L294
BLM21A12
L295
BLM21A12
L296
BLM21A12
PCG1
PCR1
PCB1
HSYN2
VSYN2
HSYN1
VSYN1
RXD
CTS
DSR
TXD
RTS
DTR
D219
RD16UM
D220
RD16UM
D221
RD16UM
D222
RD16UM
D223
RD16UM
D224
RD16UM
D225
RD16UM
D226
RD16UM
D227
RD16UM
D228
RD16UM
D229
RD16UM
D230
RD16UM
C225
6.3V
330µ
C226
6.3V
330µ
C227
6.3V
330µ
R236
75
R237
75
R238
75
R239
47K
R240
47K
R241
47K
R225
100
R226
100
L212
FB
L201
FB
L220
FB
L221
FB
L210
FB
IC2
OUT1
-IN1
+IN1
+VS
NC
OUT2
-IN2
+IN2
-VS
+IN3
-IN3
OUT3
R227
150
R228
150
R229
150
R254
100
R255
100
R256
100
C260
OPEN

PCB-TERMINAL

LVP-X100E CONTENTS

BLOCK DIAGRAM ······ ①
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MOTOR、INLET、COIL ······ ③
FILTER、PFC ······ ③
POWER SUB2、POWER SUB3 ······ ③
FBOX、LBOX ······ ③
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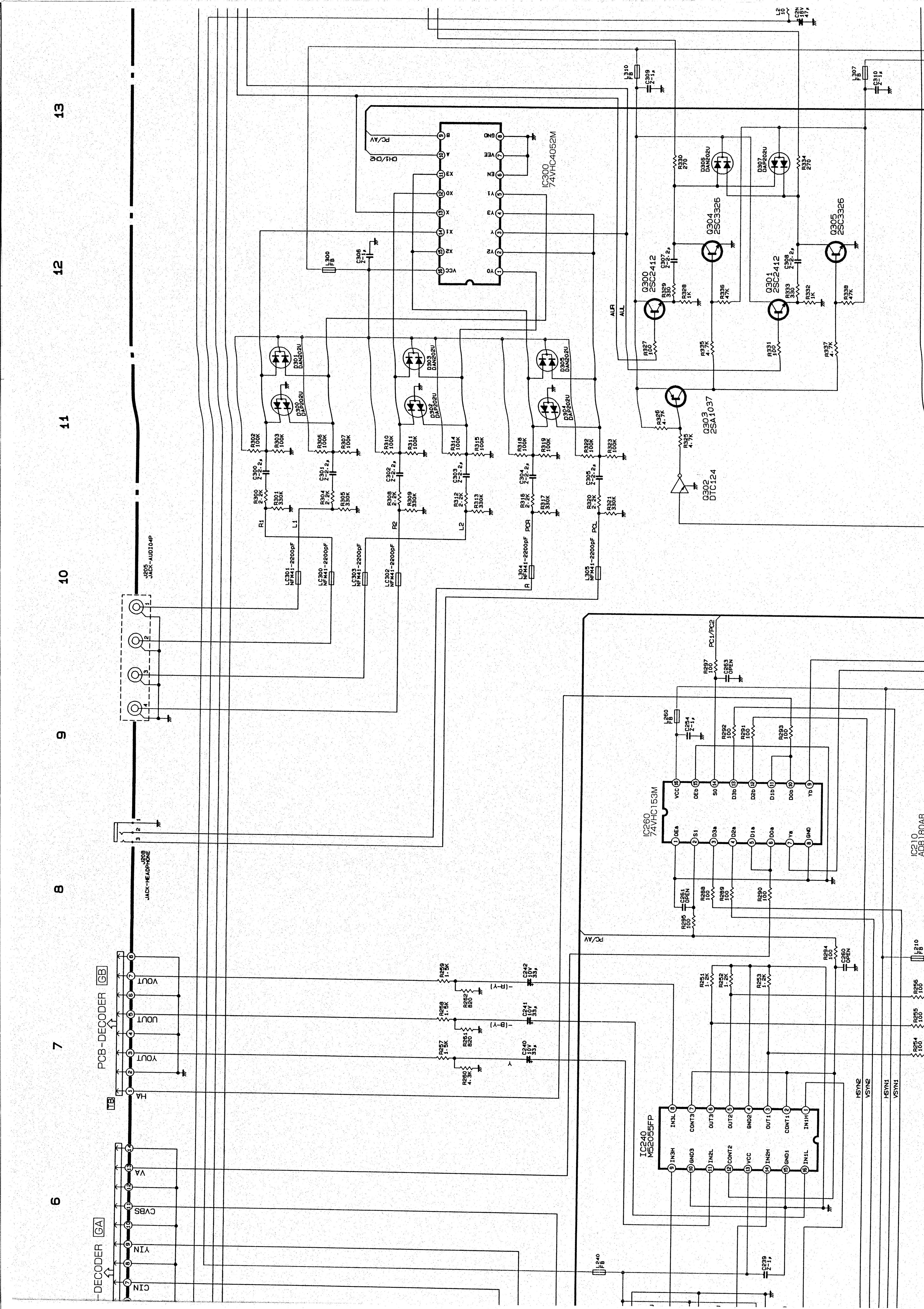
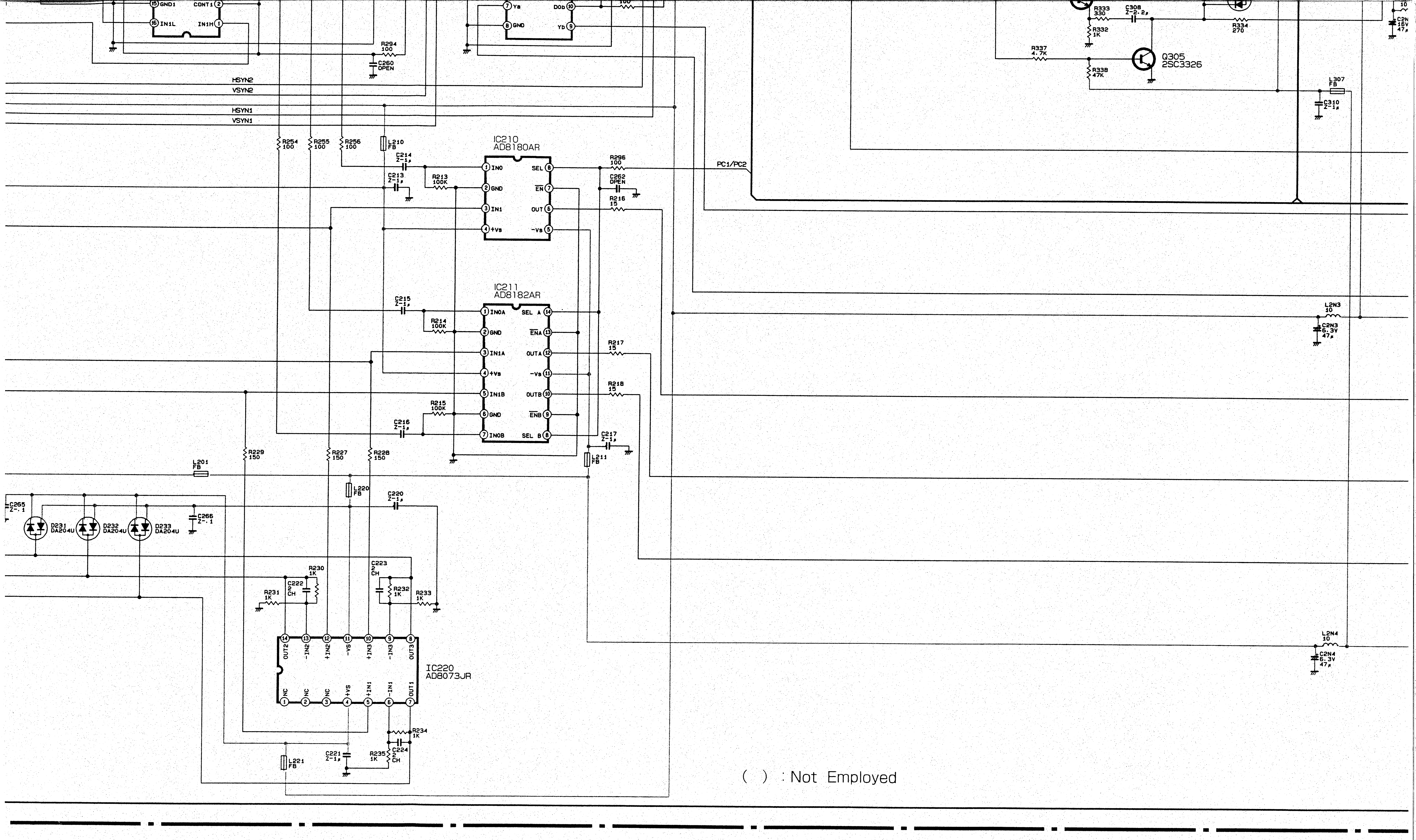
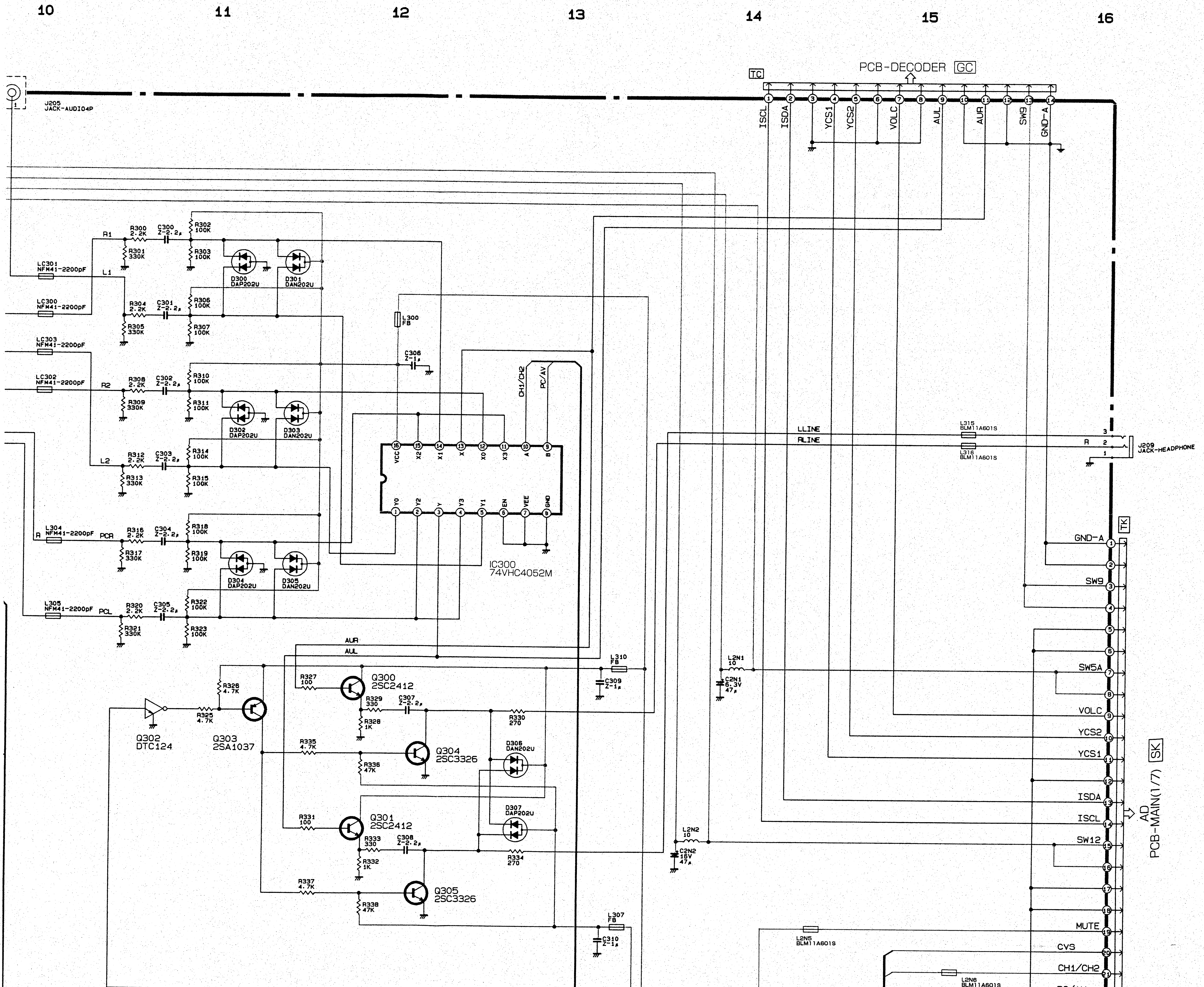
DRIVE2-MAIN(7/7) ······ ⑩
PCCARD(1/2) ······ ⑪
PCCARD(2/2) ······ ⑫

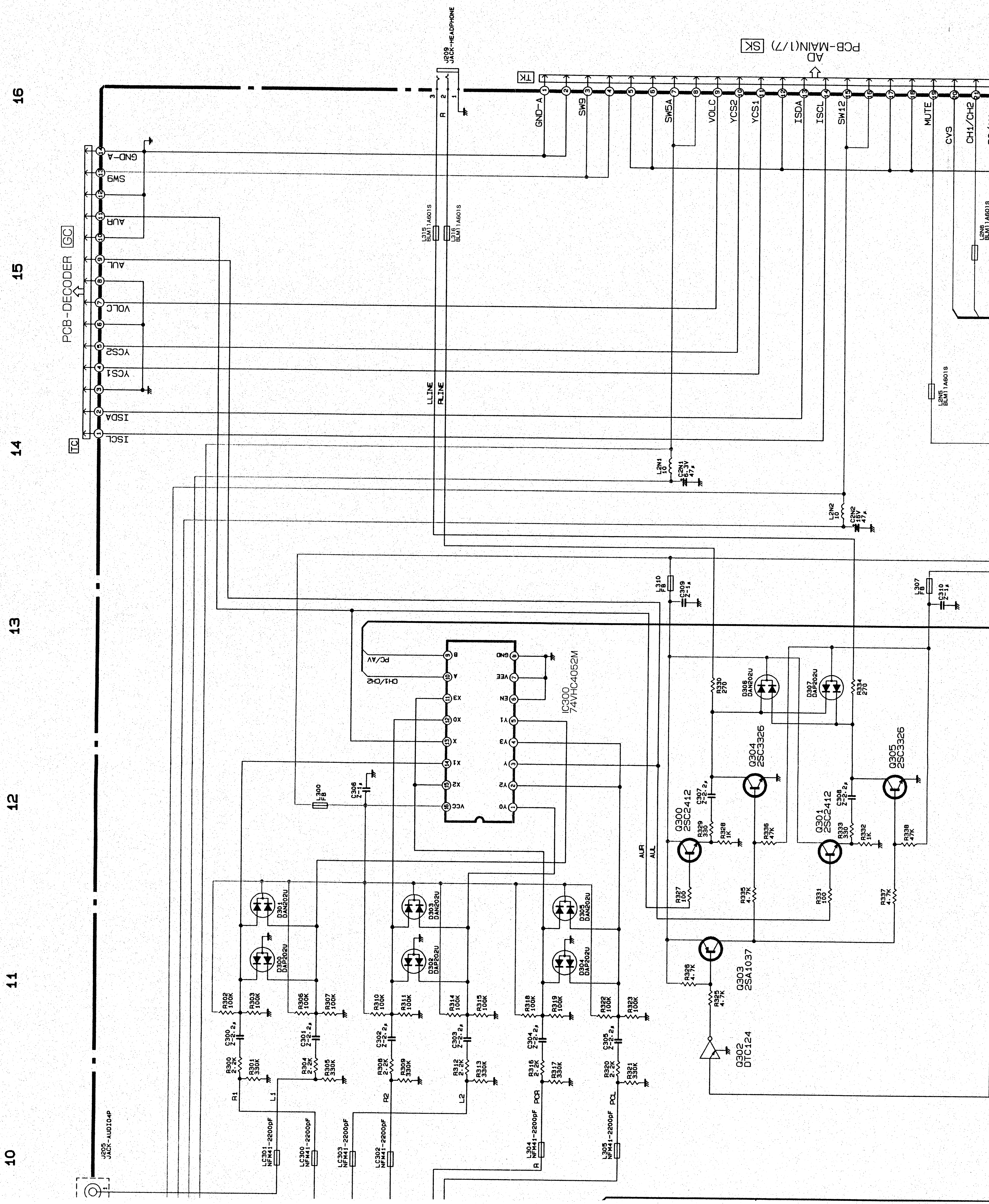

13
12
11
10
9
8
7
6
IC300
74VHC4052M
PC/AV
CH1/CH2
GND
VEE
EN
VCC
IC260
74VHC153M
IC240
M52055FP
IC210
AD8180AR
J205
JACK-AUDIO4P
J208
JACK-HEADPHONE
PCB-DECODER GB
DECODER GA
TB
YOUT
UOUT
VOUT
HA
VA
CVBS
YIN
CIN
Q300
2SC2412
Q301
2SC2412
Q304
2SC3326
Q305
2SC3326
Q303
2SA1037
Q302
DTC124
D301 DAN202U
D300 DAP202U
D303 DAN202U
D302 DAP202U
D305 DAN202U
D304 DAP202U
D306 DAN202U
D307 DAP202U
LC300 NFM41-2200pF
LC301 NFM41-2200pF
LC302 NFM41-2200pF
LC303 NFM41-2200pF
L304 NFM41-2200pF
L305 NFM41-2200pF
L300 FB
L307 FB
L310 FB
L260 FB
L240 FB
L210 FB
R1
L1
R2
L2
PCR
PCL
AUR
AUL
PC1/PC2
HSYN2
VSYN2
HSYN1
VSYN1
-(R-Y)
-(B-Y)
Y


IC210
AD8180AR
IN0
GND
IN1
+Vs
SEL
EN
OUT
-Vs
IC211
AD8182AR
IN0A
GND
IN1A
+Vs
IN1B
GND
IN0B
SEL A
ENA
OUTA
-Vs
OUTB
ENB
SEL B
IC220
AD8073JR
OUT2
-IN2
+IN2
-VS
+IN3
-IN3
OUT3
NC
NC
NC
+VS
+IN1
-IN1
OUT1
Q305
2SC3326
HSYN2
VSYN2
HSYN1
VSYN1
PC1/PC2
GND1
CONT1
IN1L
IN1H
Ys
GND
DOb
Yb
R294 100
C260 OPEN
R254 100
R255 100
R256 100
L210 FB
C214 Z-1μ
C213 Z-1μ
R213 100K
R296 100
C262 OPEN
R216 15
C215 Z-1μ
R214 100K
R217 15
R218 15
R215 100K
C216 Z-1μ
C217 Z-1μ
L211 FB
R229 150
R227 150
R228 150
L201 FB
L220 FB
C220 Z-1μ
C265 Z-.1
C266 Z-.1
D231 DA204U
D232 DA204U
D233 DA204U
C223 2 CH
R230 1K
C222 2 CH
R231 1K
R232 1K
R233 1K
R234 1K
C224 2 CH
R235 1K
C221 Z-1μ
L221 FB
R333 330
C308 Z-2.2μ
R332 1K
R334 270
R337 4.7K
R338 47K
L307 FB
C310 Z-1μ
L2N3 10
C2N3 6.3V 47μ
L2N4 10
C2N4 6.3V 47μ
C2N 16V 47μ
10
100

( ) : Not Employed

⑥
⑦
⑧
⑧
⑨
⑩
⑪
⑫


10
11
12
13
14
15
16
PCB-DECODER GC
TC
ISCL
ISDA
YCS1
YCS2
VOLC
AUL
AUR
SW9
GND-A
J205
JACK-AUDIO4P
LC301
NFM41-2200pF
LC300
NFM41-2200pF
LC303
NFM41-2200pF
LC302
NFM41-2200pF
L304
NFM41-2200pF
L305
NFM41-2200pF
R1
L1
R2
L2
R
PCR
PCL
R300 2.2K
C300 Z-2.2μ
R301 330K
R302 100K
R303 100K
R304 2.2K
C301 Z-2.2μ
R305 330K
R306 100K
R307 100K
D300 DAP202U
D301 DAN202U
R308 2.2K
C302 Z-2.2μ
R309 330K
R310 100K
R311 100K
D302 DAP202U
D303 DAN202U
R312 2.2K
C303 Z-2.2μ
R313 330K
R314 100K
R315 100K
R316 2.2K
C304 Z-2.2μ
R317 330K
R318 100K
R319 100K
D304 DAP202U
D305 DAN202U
R320 2.2K
C305 Z-2.2μ
R321 330K
R322 100K
R323 100K
L300 FB
C306 Z-1μ
CH1/CH2
PC/AV
VCC
X2
X1
X
X0
X3
A
B
Y0
Y2
Y
Y3
Y1
EN
VEE
GND
IC300
74VHC4052M
AUR
AUL
L310 FB
C309 Z-1μ
R326 4.7K
R325 4.7K
Q302 DTC124
Q303 2SA1037
R327 100
Q300 2SC2412
R329 330
C307 Z-2.2μ
R328 1K
R330 270
R335 4.7K
R336 47K
Q304 2SC3326
D306 DAN202U
D307 DAP202U
R331 100
Q301 2SC2412
R333 330
C308 Z-2.2μ
R332 1K
R334 270
R337 4.7K
R338 47K
Q305 2SC3326
L307 FB
C310 Z-1μ
L2N1 10
C2N1 6.3V 47μ
L2N2 10
C2N2 16V 47μ
LLINE
RLINE
L315 BLM11A601S
L316 BLM11A601S
J209 JACK-HEADPHONE
L2N5 BLM11A601S
L2N6 BLM11A601S
TK
GND-A
SW9
SW5A
VOLC
YCS2
YCS1
ISDA
ISCL
SW12
MUTE
CVS
CH1/CH2
AD
PCB-MAIN(1/7) SK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13
14
15
16
PCB-DECODER
GC
TC
ISCL
ISDA
YCS1
YCS2
VOLC
AUL
AUR
SW9
GND-A
PCB-MAIN(1/7)
SK
AD
TK
GND-A
SW9
SW5A
VOLC
YCS2
YCS1
ISDA
ISCL
SW12
MUTE
CVS
CH1/CH2
J209
JACK-HEADPHONE
L315
BLM11A601S
L316
BLM11A601S
LLINE
RLINE
L2N1
10
C2N1
6.3V
47μ
L2N2
10
C2N2
16V
47μ
L2N5
BLM11A601S
L2N8
BLM11A601S
L310
FB
C309
Z-1μ
L307
FB
C310
Z-1μ
IC300
74VHC4052M
PC/AV
CH1/CH2
B
A
X3
X0
X
X1
X2
VCC
GND
VEE
EN
Y1
Y3
Y
Y2
Y0
L300
FB
C306
Z-1μ
D301
DAN202U
D300
DAP202U
D303
DAN202U
D302
DAP202U
D305
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DAP202U
D306
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R330
270
R334
270
Q304
2SC3326
Q305
2SC3326
Q300
2SC2412
Q301
2SC2412
C307
Z-2.2μ
C308
Z-2.2μ
R329
330
R328
1K
R333
330
R332
1K
R336
47K
R338
47K
R327
100
R331
100
R335
4.7K
R337
4.7K
AUR
AUL
Q303
2SA1037
R326
4.7K
R325
4.7K
Q302
DTC124
R302
100K
R303
100K
R306
100K
R307
100K
R310
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R311
100K
R314
100K
R315
100K
R318
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R319
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R322
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R323
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C300
Z-2.2μ
C301
Z-2.2μ
C302
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C303
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C304
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Z-2.2μ
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R305
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R309
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R312
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R313
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R316
2.2K
R317
330K
R320
2.2K
R321
330K
R1
L1
R2
L2
PCR
PCL
R
LC301
NFM41-2200pF
LC300
NFM41-2200pF
LC303
NFM41-2200pF
LC302
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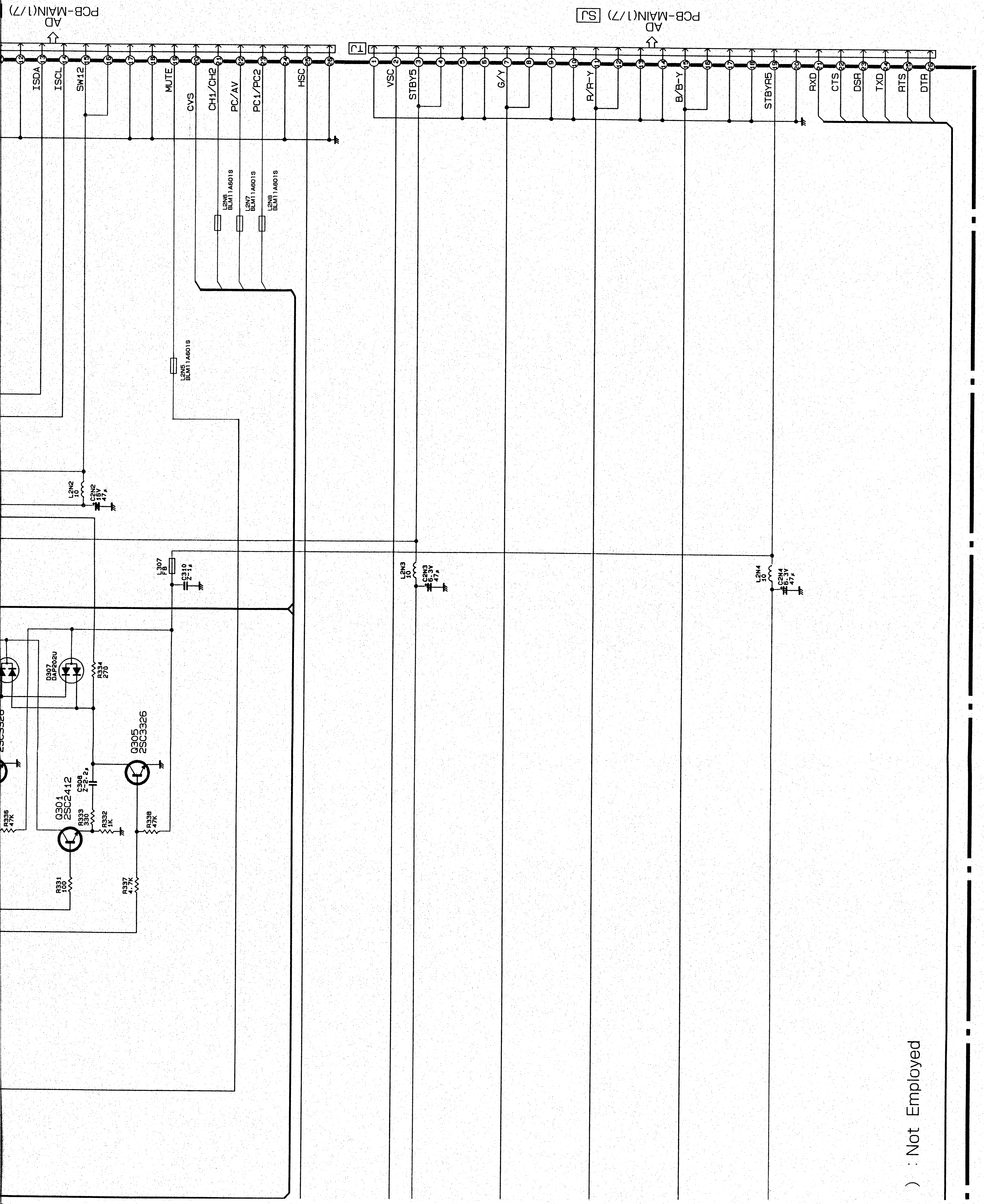
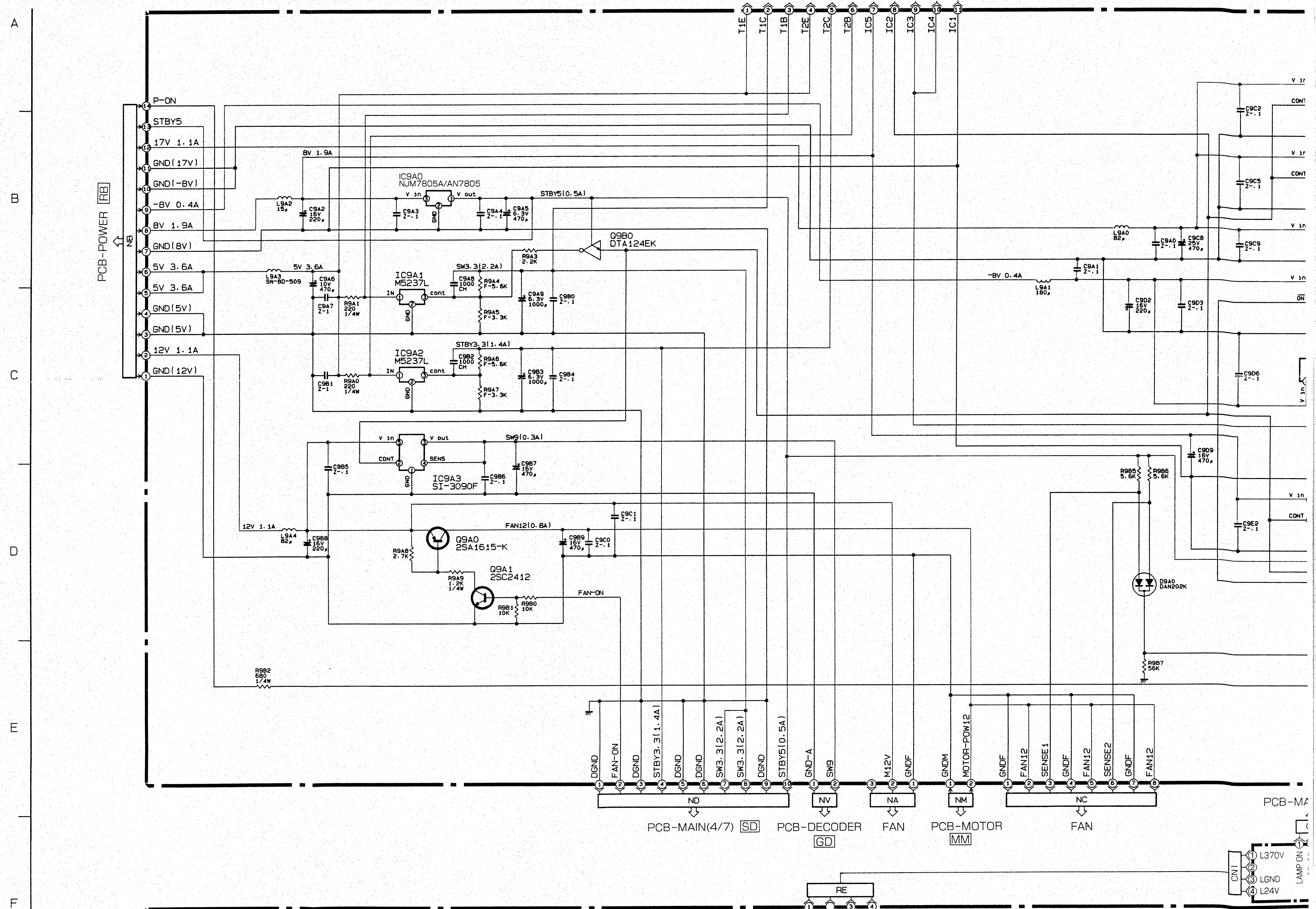
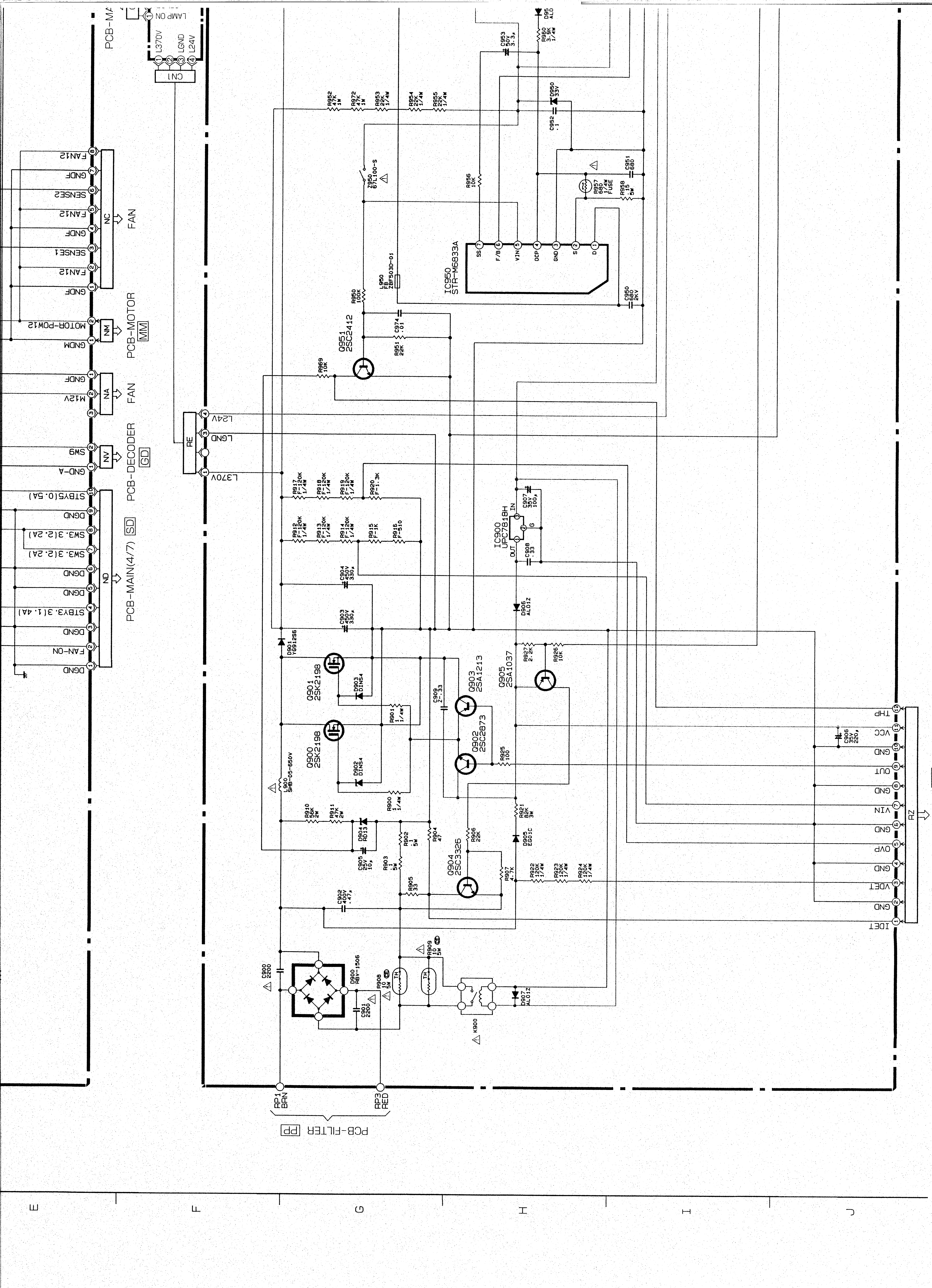
L304
NFM41-2200pF
L305
NFM41-2200pF
J205
JACK-AUDIO4P



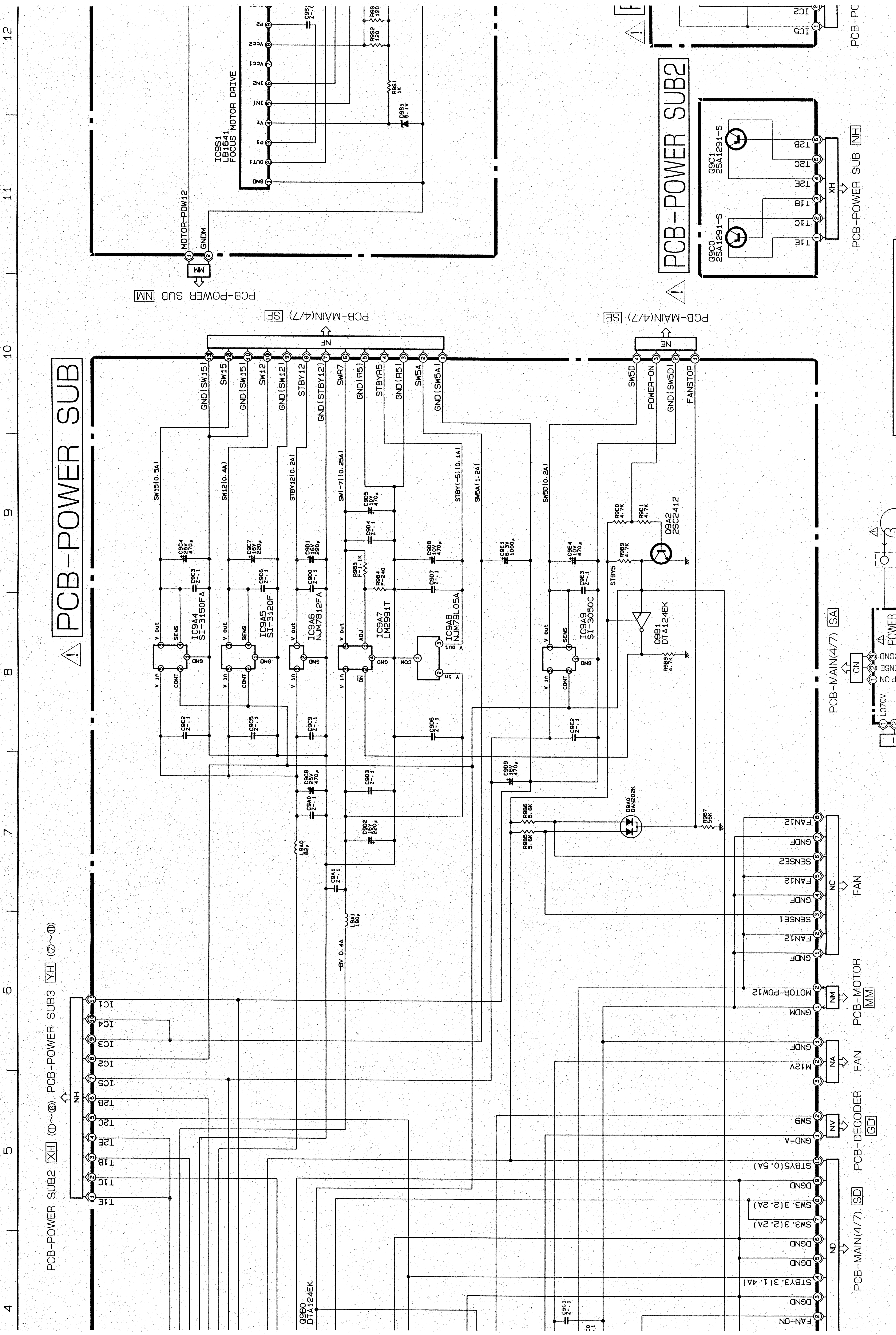
PCB-MAIN(1/7)
AD
PCB-MAIN(1/7) SJ
AD
TJ
ISDA
ISCL
SW12
MUTE
CVS
CH1/CH2
PC/AV
PC1/PC2
HSC
VSC
STBY5
G/Y
R/R-Y
B/B-Y
STBYR5
RXD
CTS
DSR
TXD
RTS
DTR
L2N6 BLM11A601S
L2N7 BLM11A601S
L2N8 BLM11A601S
L2N5 BLM11A601S
L2N2 10
C2N2 16V 47μ
L307 FB
C310 Z-1μ
L2N3 10
C2N3 6.3V 47μ
L2N4 10
C2N4 6.3V 47μ
D307 DAP202U
R334 270
Q305 2SC3326
Q301 2SC2412
C308 Z-2.2μ
R336 47K
R333 330
R332 1K
R338 47K
R331 100
R337 4.7K

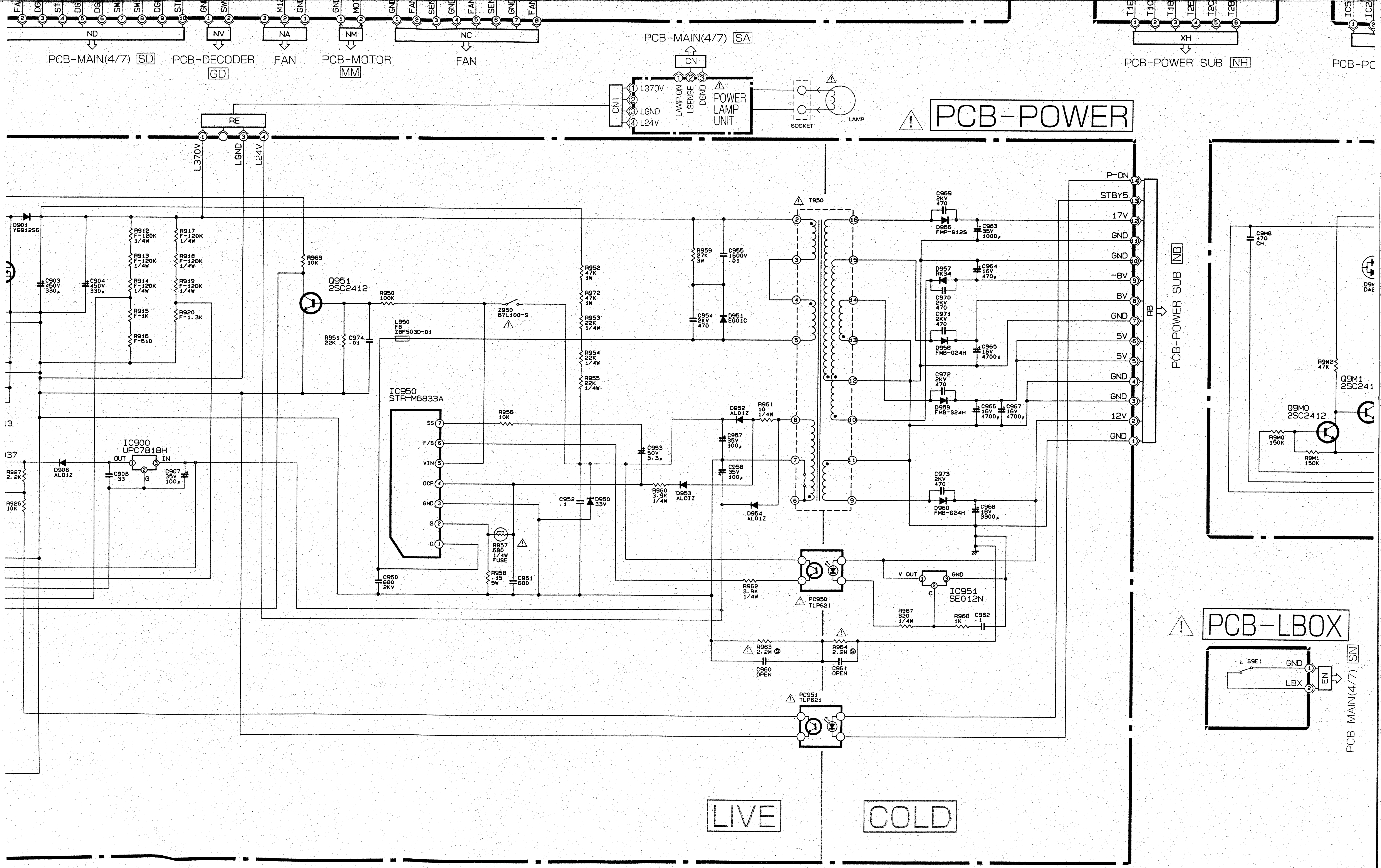
( ) : Not Employed


A
B
C
D
E
F
PCB-POWER RB
NB
P-ON
STBY5
17V 1.1A
GND(17V)
GND(-8V)
-8V 0.4A
8V 1.9A
GND(8V)
5V 3.6A
5V 3.6A
GND(5V)
GND(5V)
12V 1.1A
GND(12V)
T1E
T1C
T1B
T2E
T2C
T2B
IC5
IC2
IC3
IC4
IC1
8V 1.9A
IC9A0
NJM7805A/AN7805
V in
V out
GND
STBY5(0.5A)
L9A2 15μ
C9A2 16V 220μ
C9A3 Z-.1
C9A4 Z-.1
C9A5 6.3V 470μ
Q9B0
DTA124EK
R9A3 2.2K
5V 3.6A
L9A3 SN-8D-509
C9A6 10V 470μ
C9A7 Z-1
R9A1 220 1/4W
IC9A1
M5237L
IN
cont
GND
SW3.3(2.2A)
C9A8 1000 CH
R9A4 F-5.6K
R9A5 F-3.3K
C9A9 6.3V 1000μ
C9B0 Z-.1
IC9A2
M5237L
STBY3.3(1.4A)
C9B1 Z-1
R9A0 220 1/4W
C9B2 1000 CH
R9A6 F-5.6K
R9A7 F-3.3K
C9B3 6.3V 1000μ
C9B4 Z-.1
V in
V out
CONT
SENS
SW9(0.3A)
C9B5 Z-.1
C9B6 Z-.1
C9B7 16V 470μ
IC9A3
SI-3090F
12V 1.1A
L9A4 82μ
C9B8 16V 220μ
FAN12(0.8A)
C9C1 Z-.1
Q9A0
2SA1615-K
R9A8 2.7K
C9B9 16V 470μ
C9C0 Z-.1
Q9A1
2SC2412
R9A9 1.2K 1/4W
FAN-ON
R9B1 10K
R9B0 10K
R9B2 680 1/4W
L9A0 82μ
C9A0 Z-.1
C9C8 25V 470μ
C9C9 Z-.1
C9A1 Z-.1
-8V 0.4A
L9A1 180μ
C9D2 16V 220μ
C9D3 Z-.1
C9C2 Z-.1
C9C5 Z-.1
C9D6 Z-.1
C9D9 16V 470μ
C9E2 Z-.1
R9B5 5.6K
R9B6 5.6K
D9A0
DAN202K
R9B7 56K
V in
CONT
ON
DGND
FAN-ON
DGND
STBY3.3(1.4A)
DGND
DGND
SW3.3(2.2A)
SW3.3(2.2A)
DGND
STBY5(0.5A)
GND-A
SW9
M12V
GNDF
GNDM
MOTOR-POW12
GNDF
FAN12
SENSE1
GNDF
FAN12
SENSE2
GNDF
FAN12
ND
NV
NA
NM
NC
PCB-MAIN(4/7) SD
PCB-DECODER GD
FAN
PCB-MOTOR MM
FAN
RE
CN1
L370V
LGND
L24V
LAMP ON
PCB-MA

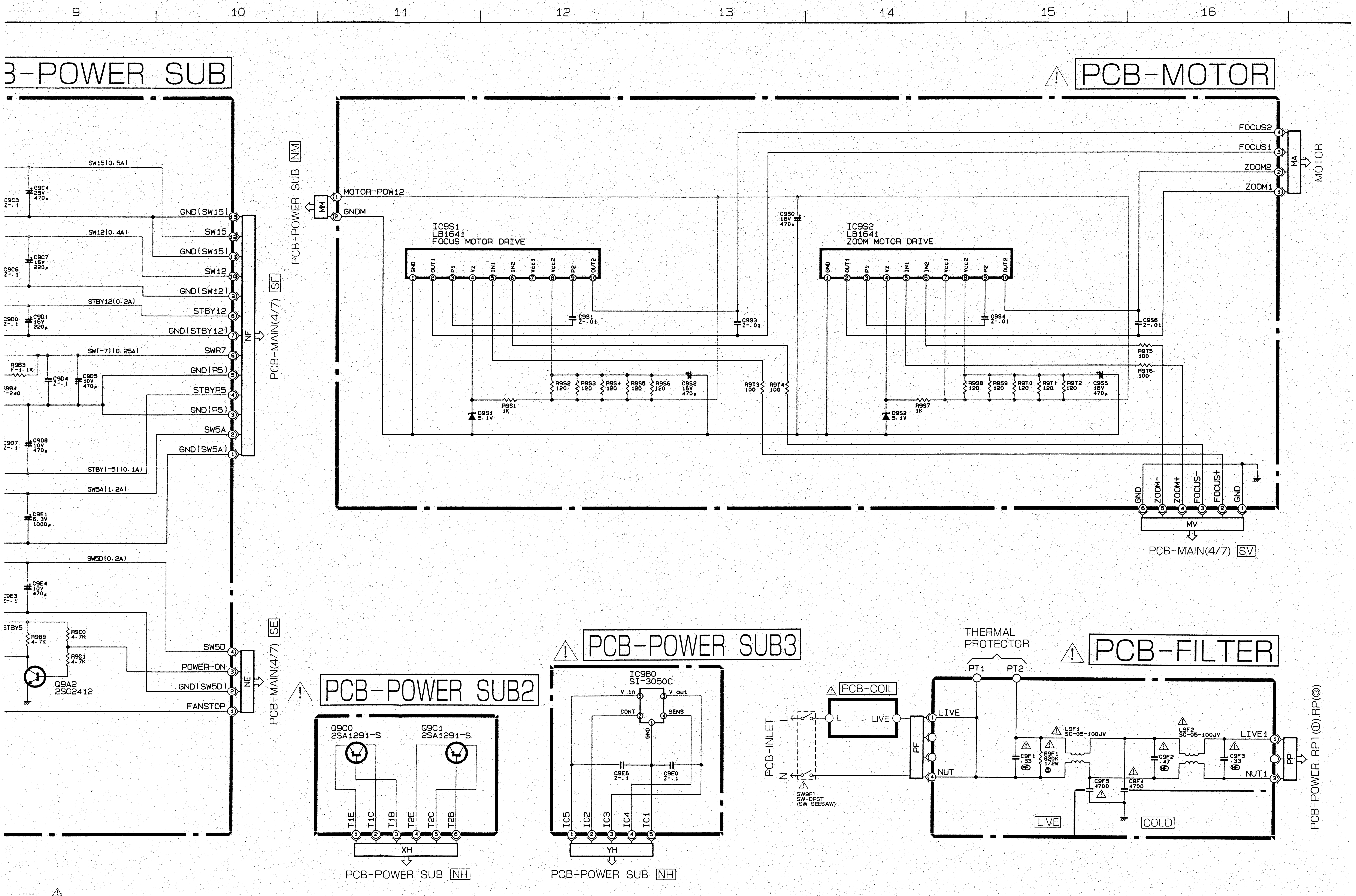


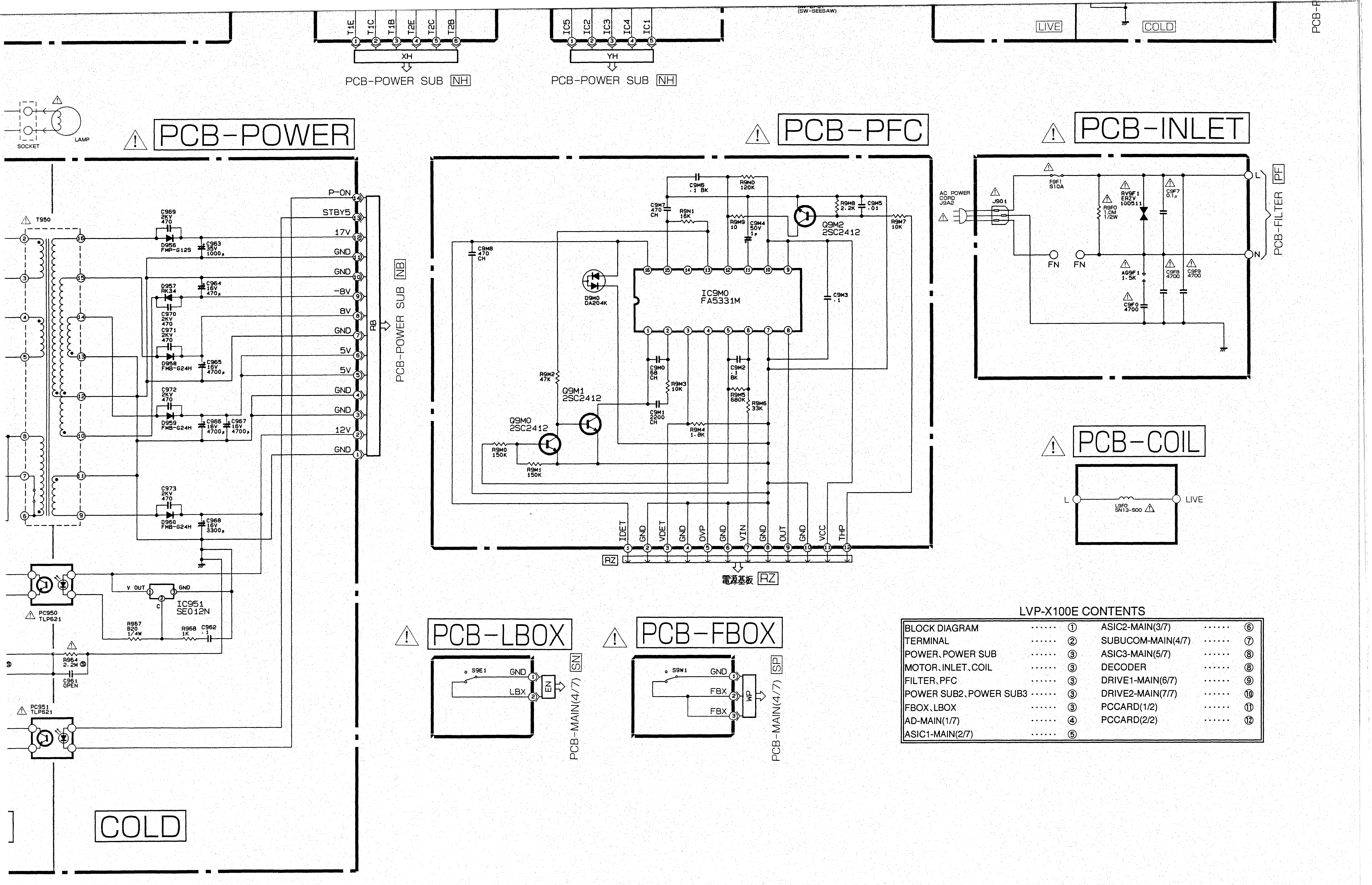
PCB-MAIN(4/7)
SD
ND
PCB-DECODER
GD
NV
FAN
NA
PCB-MOTOR
MM
NM
FAN
NC
DGND
FAN-ON
DGND
STBY3.3(1.4A)
DGND
DGND
SW3.3(2.2A)
SW3.3(2.2A)
DGND
STBY5(0.5A)
GND-A
SW9
M12V
GNDF
GNDM
MOTOR-POW12
GNDF
FAN12
SENSE1
GNDF
FAN12
SENSE2
GNDF
FAN12
LAMP ON
L370V
LGND
L24V
CN1
RE
L370V
LGND
L24V
RP1
BRN
RP3
RED
PCB-FILTER
PP
C900
2200
D900
RBV-1506
C901
2200
R908
10
5W
TH
R909
10
5W
K900
D907
AL01Z
C902
450V
.47μ
R905
33
Q904
2SC3326
R907
4.7K
R922
120K
1/4W
R923
120K
1/4W
R924
120K
1/4W
R903
1
5W
C905
25V
10μ
R902
1
5W
R904
47
R906
22K
D905
EG01C
R921
82K
3W
D904
RD13
R910
56K
2W
R911
47K
2W
R900
1
1/4W
L900
SHB-05-650V
Q900
2SK2198
D902
D1NS4
Q902
2SC2873
R925
100
Q901
2SK2198
D903
D1NS4
R901
1
1/4W
C909
Z.33
Q903
2SA1213
Q905
2SA1037
R927
2.2K
R926
10K
D901
YG912S6
C903
450V
330μ
C904
450V
330μ
D906
AL01Z
R912
F-120K
1/4W
R913
F-120K
1/4W
R914
F-120K
1/4W
R915
F-1K
R916
F-510
R917
F-120K
1/4W
R918
F-120K
1/4W
R919
F-120K
1/4W
R920
F-11.3K
IC900
UPC7818H
IN
OUT
G
C907
35V
100μ
C908
.33
R969
10K
Q951
2SC2412
R951
22K
C974
.01
R950
100K
L950
FB
ZBF503D-01
IC950
STR-M6833A
SS
F/B
VIN
OCP
GND
S
D
C950
680
2KV
Z950
67L100-S
R956
10K
R957
680
1/4W
FUSE
R958
.15
5W
C951
680
R952
47K
1W
R972
47K
1W
R953
22K
1/4W
R954
22K
1/4W
R955
22K
1/4W
C952
.1
D950
33V
C953
50V
3.3μ
R960
3.9K
1/4W
D95
AL0
IDET
GND
VDET
GND
OVP
GND
VIN
GND
OUT
GND
VCC
THP
C906
25V
220μ
RZ
E
F
G
H
I
J

4
5
6
7
8
9
10
11
12
PCB-POWER SUB
PCB-POWER SUB2
PCB-POWER SUB2 XH (①~⑥), PCB-POWER SUB3 YH (⑦~⑪)
IC9S1
LB1641
FOCUS MOTOR DRIVE
MOTOR-POW12
GNDM
PCB-POWER SUB NM
PCB-MAIN(4/7) SF
PCB-MAIN(4/7) SE
NF
NE
GND(SW15)
SW15
GND(SW15)
SW12
GND(SW12)
STBY12
GND(STBY12)
SWR7
GND(R5)
STBYR5
GND(R5)
SW5A
GND(SW5A)
SW5D
POWER-ON
GND(SW5D)
FANSTOP
SW15(0.5A)
SW12(0.4A)
STBY12(0.2A)
SW(-7)(0.25A)
STBY(-5)(0.1A)
SW5A(1.2A)
SW5D(0.2A)
IC9A4
SI-3150FA
IC9A5
SI-3120F
IC9A6
NJM7812FA
IC9A7
LM2991T
IC9A8
NJM79L05A
IC9A9
SI-3050C
Q9A2
2SC2412
Q9B1
DTA124EK
Q9B0
DTA124EK
D9A0
DAN202K
Q9C0
2SA1291-S
Q9C1
2SA1291-S
-8V 0.4A
STBY5
PCB-POWER SUB NH
XH
NH
PCB-MAIN(4/7) SA
CN
L370V
POWER
T1E
T1C
T1B
T2E
T2C
T2B
IC5
IC2
IC3
IC4
IC1
FAN12
GNDF
SENSE2
FAN12
GNDF
SENSE1
FAN12
GNDF
NC
FAN
MOTOR-POW12
GNDM
NM
PCB-MOTOR MM
GNDF
M12V
NA
FAN
SW9
GND-A
NV
PCB-DECODER GD
STBY5(0.5A)
DGND
SW3.3(2.2A)
SW3.3(2.2A)
DGND
DGND
STBY3.3(1.4A)
DGND
FAN-ON
ND
PCB-MAIN(4/7) SD


PCB-POWER
PCB-LBOX
LIVE
COLD
PCB-MAIN(4/7) SD
ND
PCB-DECODER GD
NV
FAN
NA
PCB-MOTOR MM
NM
NC
PCB-MAIN(4/7) SA
CN
PCB-POWER SUB NH
XH
PCB-POWER SUB NB
RB
PCB-MAIN(4/7) SN
EN
POWER LAMP UNIT
CN1
L370V
LGND
L24V
LAMP ON
LSENSE
DGND
SOCKET
LAMP
RE
P-ON
STBY5
17V
GND
-8V
8V
5V
12V
T950
IC950
STR-M6833A
SS
F/B
VIN
OCP
GND
S
D
IC951
SE012N
V OUT
PC950
TLP621
PC951
TLP621
IC900
UPC7818H
OUT
IN
G
Q951
2SC2412
Q9M0
2SC2412
Q9M1
2SC241
Z950
67L100-S
L950
FB
ZBF503D-01
D901
YG912S6
D906
AL01Z
D950
33V
D951
EG01C
D952
AL01Z
D953
AL01Z
D954
AL01Z
D956
FMP-G12S
D957
RK34
D958
FMB-G24H
D959
FMB-G24H
D960
FMB-G24H
C903
450V
330μ
C904
450V
330μ
C907
35V
100μ
C908
.33
C950
680
2KV
C951
680
C952
.1
C953
50V
3.3μ
C954
2KV
470
C955
1600V
.01
C957
35V
100μ
C958
35V
100μ
C960
OPEN
C961
OPEN
C962
.1
C963
35V
1000μ
C964
16V
470μ
C965
16V
4700μ
C966
16V
4700μ
C967
16V
4700μ
C968
16V
3300μ
C969
2KV
470
C970
2KV
470
C971
2KV
470
C972
2KV
470
C973
2KV
470
C974
.01
C9M8
470
CH
R912
F-120K
1/4W
R913
F-120K
1/4W
R914
F-120K
1/4W
R915
F-1K
R916
F-510
R917
F-120K
1/4W
R918
F-120K
1/4W
R919
F-120K
1/4W
R920
F-1.3K
R926
10K
R927
2.2K
R950
100K
R951
22K
R952
47K
1W
R953
22K
1/4W
R954
22K
1/4W
R955
22K
1/4W
R956
10K
R957
680
1/4W
FUSE
R958
.15
5W
R959
27K
3W
R960
3.9K
1/4W
R961
10
1/4W
R962
3.9K
1/4W
R963
2.2M
R964
2.2M
R967
820
1/4W
R968
1K
R969
10K
R972
47K
1W
R9M0
150K
R9M1
150K
R9M2
47K
S9E1
GND
LBX

( ) : Not Employed

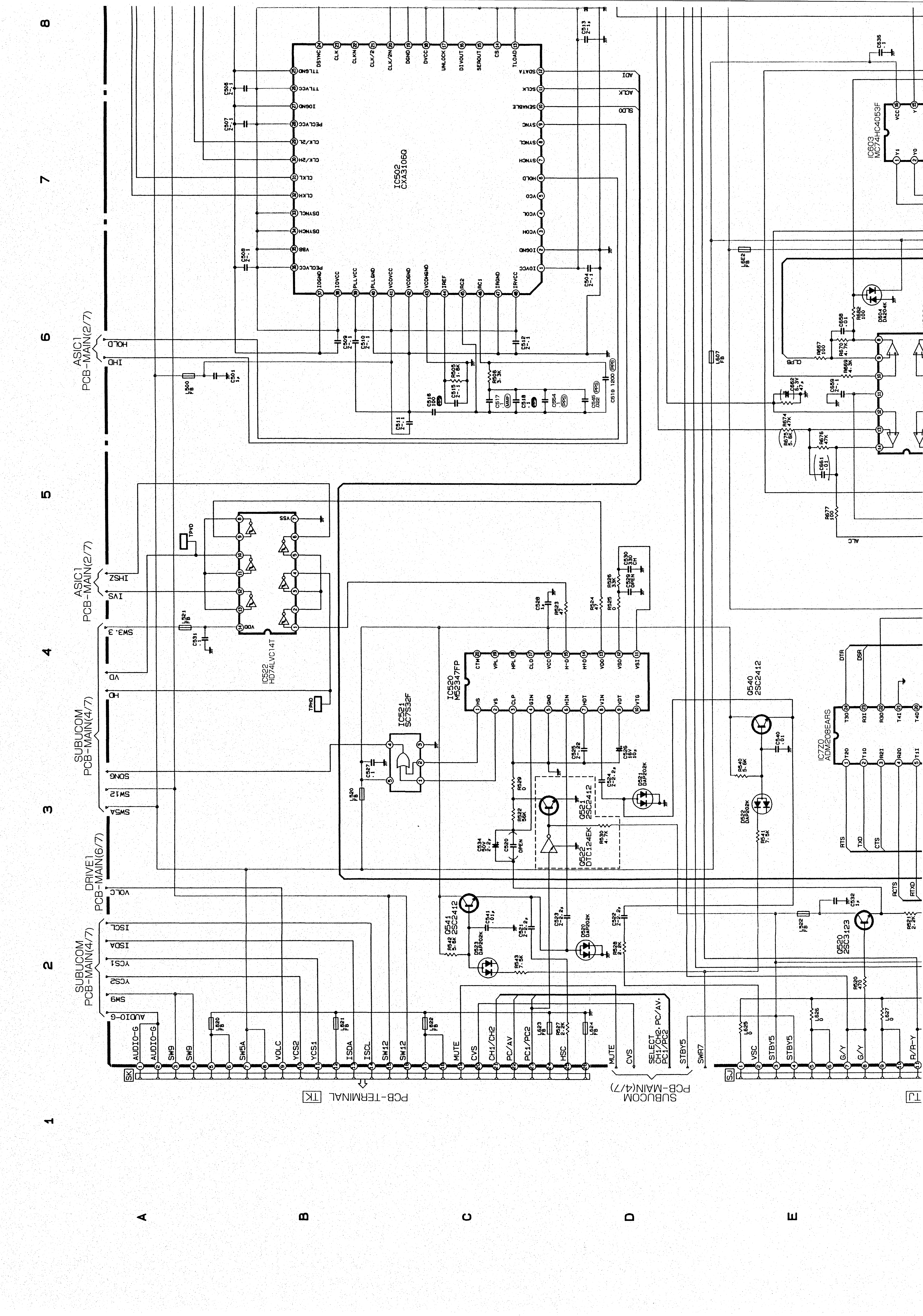

9
10
11
12
13
14
15
16
3-POWER SUB
PCB-MOTOR
PCB-POWER SUB2
PCB-POWER SUB3
PCB-FILTER
PCB-COIL
SW15(0.5A)
SW12(0.4A)
STBY12(0.2A)
SW(-7)(0.25A)
STBY(-5)(0.1A)
SW5A(1.2A)
SW5D(0.2A)
C9C3 Z-.1
C9C4 25V 470μ
C9C6 Z-.1
C9C7 16V 220μ
C900 Z-.1
C9D1 16V 220μ
R983 F-1.1K
C9D4 Z-.1
C9D5 10V 470μ
984 -240
C907 Z-.1
C908 10V 470μ
C9E1 6.3V 1000μ
C9E3 Z-.1
C9E4 10V 470μ
STBY5
R989 4.7K
R9C0 4.7K
R9C1 4.7K
Q9A2 2SC2412
GND(SW15)
SW15
GND(SW15)
SW12
GND(SW12)
STBY12
GND(STBY12)
SWR7
GND(R5)
STBYR5
GND(R5)
SW5A
GND(SW5A)
NF
PCB-MAIN(4/7) SF
SW5D
POWER-ON
GND(SW5D)
FANSTOP
NE
PCB-MAIN(4/7) SE
MM
PCB-POWER SUB NM
MOTOR-POW12
GNDM
IC9S1 LB1641 FOCUS MOTOR DRIVE
IC9S2 LB1641 ZOOM MOTOR DRIVE
GND
OUT1
P1
Vz
IN1
IN2
Vcc1
Vcc2
P2
OUT2
C9S1 Z-.01
C9S3 Z-.01
C9S4 Z-.01
C9S6 Z-.01
C9S0 16V 470μ
R9S2 120
R9S3 120
R9S4 120
R9S5 120
R9S6 120
C9S2 16V 470μ
R9S1 1K
D9S1 5.1V
R9T3 100
R9T4 100
R9S8 120
R9S9 120
R9T0 120
R9T1 120
R9T2 120
C9S5 16V 470μ
R9S7 1K
D9S2 5.1V
R9T5 100
R9T6 100
FOCUS2
FOCUS1
ZOOM2
ZOOM1
MA
MOTOR
GND
ZOOM-
ZOOM+
FOCUS-
FOCUS+
GND
MV
PCB-MAIN(4/7) SV
Q9C0 2SA1291-S
Q9C1 2SA1291-S
T1E
T1C
T1B
T2E
T2C
T2B
XH
PCB-POWER SUB NH
IC9B0 SI-3050C
V in
V out
CONT
SENS
GND
C9E6 Z-.1
C9E0 Z-.1
IC5
IC2
IC3
IC4
IC1
YH
PCB-POWER SUB NH
THERMAL PROTECTOR
PT1
PT2
PCB-INLET
L
N
SW9F1 SW-DPST (SW-SEESAW)
L
LIVE
PF
LIVE
NUT
L9F1 SC-05-100JV
L9F2 SC-05-100JV
C9F1 .33
R9F1 820K 1/2W
C9F5 4700
C9F4 4700
C9F2 .47
C9F3 .33
LIVE1
NUT1
LIVE
COLD
PP
PCB-POWER RP1(①),RP(③)


PCB-POWER
PCB-PFC
PCB-INLET
PCB-COIL
PCB-LBOX
PCB-FBOX
COLD
LIVE
PCB-POWER SUB NH
PCB-POWER SUB NB
PCB-FILTER PF
PCB-MAIN(4/7) SN
PCB-MAIN(4/7) SP
電源基板 RZ
T1E
T1C
T1B
T2E
T2C
T2B
XH
IC5
IC2
IC3
IC4
IC1
YH
SOCKET
LAMP
T950
P-ON
STBY5
17V
GND
-8V
8V
5V
12V
RB
D956 FMP-G12S
D957 RK34
D958 FMB-G24H
D959 FMB-G24H
D960 FMB-G24H
C963 35V 1000μ
C964 16V 470μ
C965 16V 4700μ
C966 16V 4700μ
C967 16V 4700μ
C968 16V 3300μ
C969 2KV 470
C970 2KV 470
C971 2KV 470
C972 2KV 470
C973 2KV 470
PC950 TLP621
PC951 TLP621
IC951 SE012N
V OUT
R957 820 1/4W
R968 1K
C962 .1
R964 2.2M
C961 OPEN
IC9M0 FA5331M
Q9M0 2SC2412
Q9M1 2SC2412
Q9M2 2SC2412
D9M0 DA204K
C9M8 470 CH
C9M7 470 CH
C9M6 .1 BK
R9N0 120K
R9N1 18K
R9M9 10
C9M4 50V 1μ
R9M8 2.2K
C9M5 .01
R9M7 10K
C9M3 .1
R9M2 47K
C9M0 68 CH
R9M3 10K
C9M1 2200 CH
C9M2 .1 BK
R9M5 680K
R9M6 33K
R9M4 1.8K
R9M0 150K
R9M1 150K
IDET
VDET
OVP
VIN
OUT
VCC
THP
AC POWER CORD J9A2
J901
F9F1 S10A
RV9F1 ERZV 10D511
R9F0 1.0M 1/2W
C9F7 0.1μ
AG9F1 1.5K
C9F8 4700
C9F9 4700
C9F0 4700
FN
L
N
L9F0 SN13-500
S9E1
LBX
EN
S9M1
FBX
WP

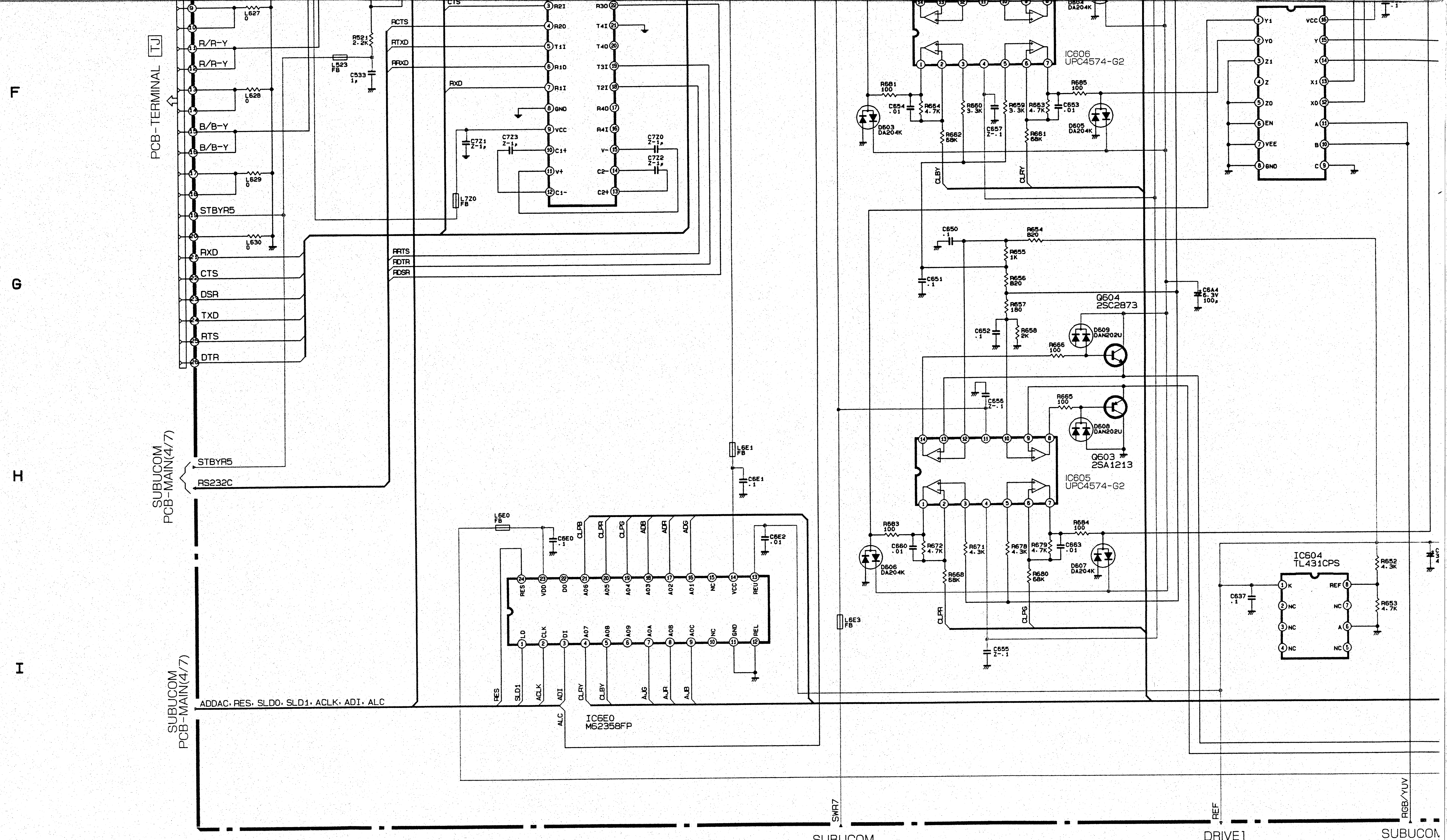
( ) : Not Employed

LVP-X100E CONTENTS

BLOCK DIAGRAM	①
TERMINAL	②
POWER、POWER SUB	③
MOTOR、INLET、COIL	③
FILTER、PFC	③
POWER SUB2、POWER SUB3	③
FBOX、LBOX	③
AD-MAIN(1/7)	④
ASIC1-MAIN(2/7)	⑤
ASIC2-MAIN(3/7)	⑥
SUBUCOM-MAIN(4/7)	⑦
ASIC3-MAIN(5/7)	⑧
DECODER	⑧
DRIVE1-MAIN(6/7)	⑨
DRIVE2-MAIN(7/7)	⑩
PCCARD(1/2)	⑪
PCCARD(2/2)	⑫

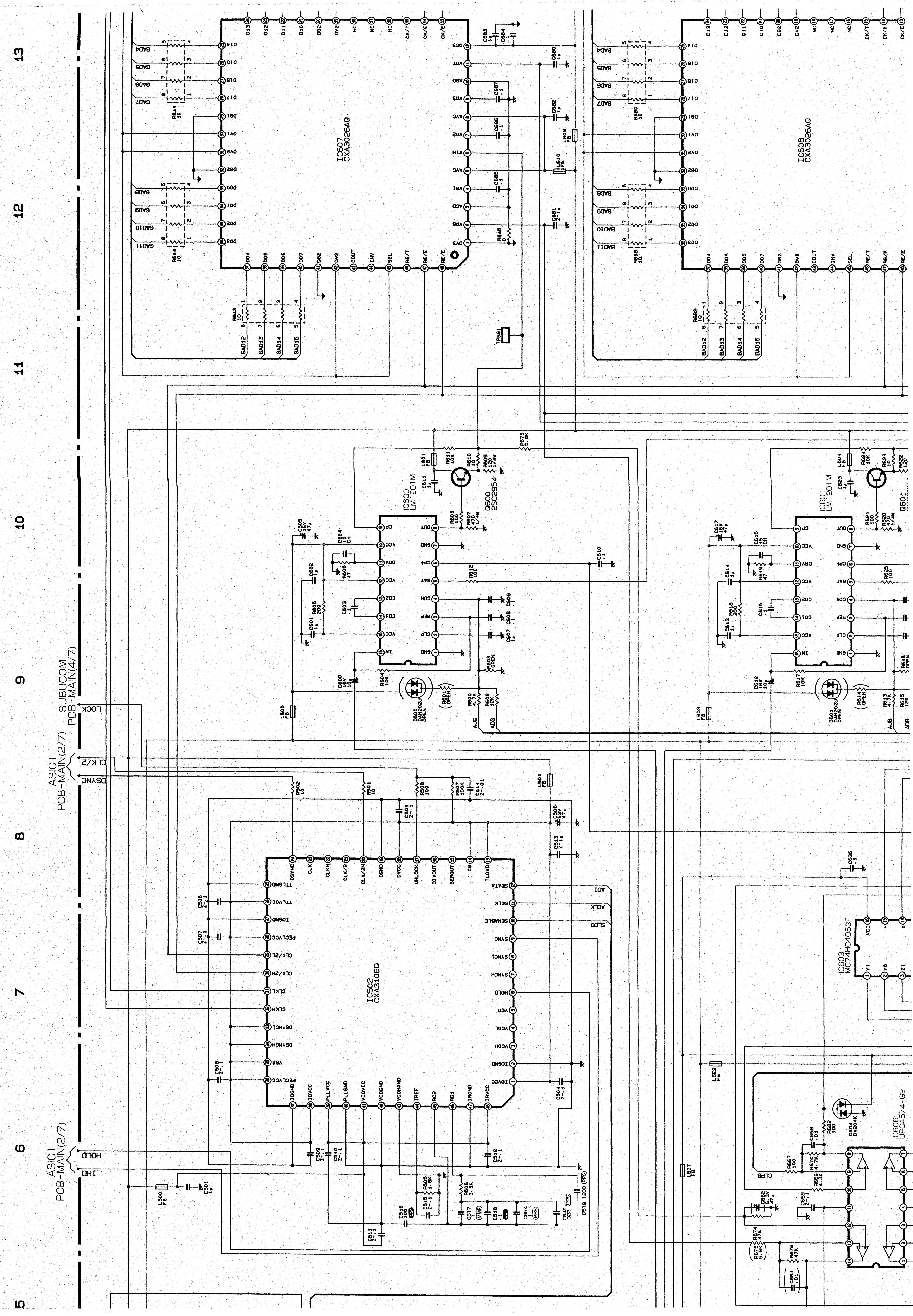


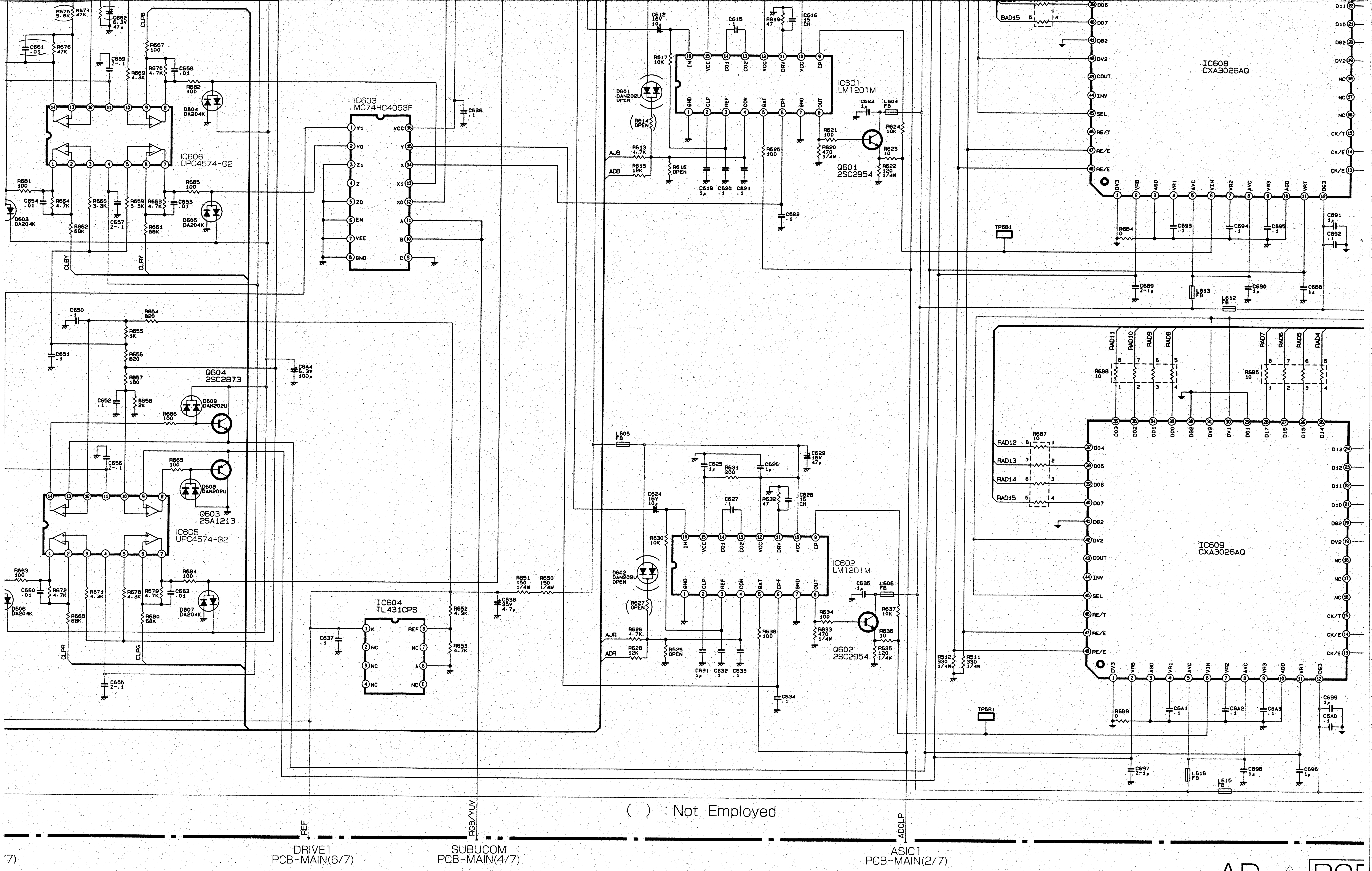
1
2
3
4
5
6
7
8
A
B
C
D
E
IC502
CXA3106Q
IC522
HD74LVC14T
IC521
SC7S32F
IC520
M52347FP
Q540
2SC2412
Q541
2SC2412
Q521
2SC2412
Q522
DTC124EK
Q520
2SC3123
IC720
ADM208EARS
IC603
MC74HC4053F
D504
DA204K
D520
DAP202K
D521
DAP202K
D522
DAP202K
D523
DAP202K
ASIC1
PCB-MAIN(2/7)
SUBUCOM
PCB-MAIN(4/7)
DRIVE1
PCB-MAIN(6/7)
PCB-TERMINAL TK
SK
SJ
TJ
HOLD
IHD
IHSZ
IVS
SW3.3
VD
HD
SONG
SW12
SW5A
VOLC
ISCL
ISDA
YCS1
YCS2
SW9
AUDIO-G
TPVD
TPHD
ADI
ACLK
SLDO
CLPB
ALC
DTR
DSR
RTS
TXD
CTS
RCTS
RTXD
MUTE
CVS
CH1/CH2
PC/AV
PC1/PC2
HSC
SELECT
CH1/CH2.PC/AV.
PC1/PC2
STBY5
SWR7
VSC
G/Y
R/R-Y


F
G
H
I
J
PCB-TERMINAL TJ
R/R-Y
R/R-Y
B/B-Y
B/B-Y
STBYR5
RXD
CTS
DSR
TXD
RTS
DTR
L627 0
L628 0
L629 0
L630 0
SUBCOM PCB-MAIN(4/7)
STBYR5
RS232C
SUBCOM PCB-MAIN(4/7)
ADDAC, RES, SLD0, SLD1, ACLK, ADI, ALC
RCTS
RTXD
RRXD
RXD
R521 2.2K
L523 FB
C533 1μ
RRTS
RDTR
RDSR
C721 Z-1μ
C723 Z-1μ
C720 Z-1μ
C722 Z-1μ
L720 FB
IC606 UPC4574-G2
IC605 UPC4574-G2
Q604 2SC2873
Q603 2SA1213
D509 DAN202U
D508 DAN202U
D603 DA204K
D605 DA204K
D606 DA204K
D607 DA204K
CLBY
CLRY
CLRR
CLRG
C5A4 6.3V 100μ
IC504 TL431CPS
C637 .1
R652 4.3K
R653 4.7K
L6E0 FB
C6E0 .1
L6E1 FB
C6E1 .1
C6E2 .01
L6E3 FB
C655 Z-.1
IC6E0 M62358FP
RES
SLD1
ACLK
ADI
ALC
CLRY
CLBY
AJG
AJR
AJB
CLPB
CLPR
CLPG
ADB
ADR
ADG
SWR7
SUBCOM PCB-MAIN(4/7)
REF
DRIVE1 PCB-MAIN(6/7)
RGB/YUV
SUBCOM PCB-MAIN(4

LVP-X100E CONTENTS

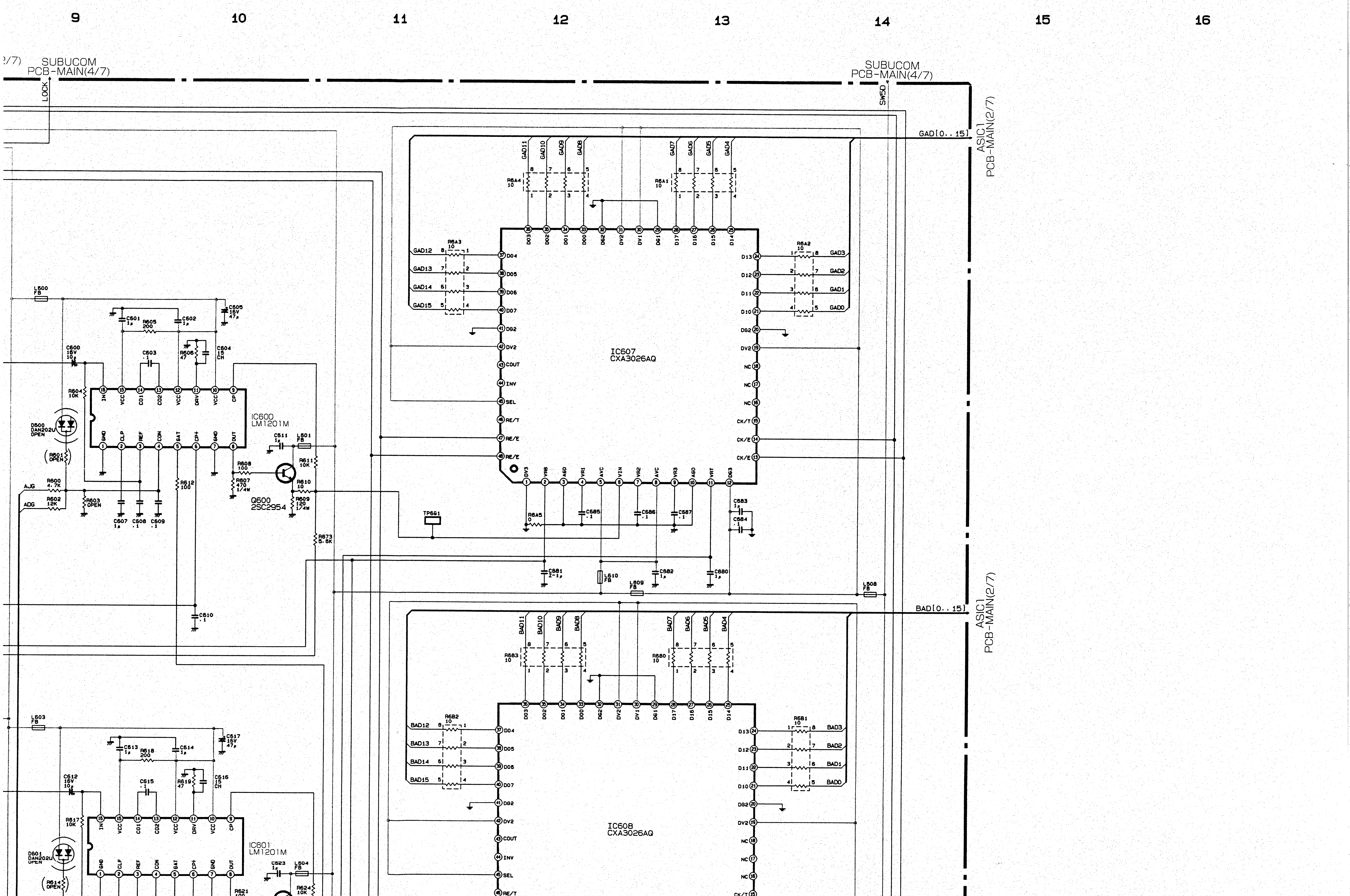
BLOCK DIAGRAM	①	ASIC2-MAIN(3/7)	⑥
TERMINAL	②	SUBUCOM-MAIN(4/7)	⑦
POWER、POWER SUB	③	ASIC3-MAIN(5/7)	⑧
MOTOR、INLET、COIL	③	DECODER	⑧
FILTER、PFC	③	DRIVE1-MAIN(6/7)	⑨
POWER SUB2、POWER SUB3	③	DRIVE2-MAIN(7/7)	⑩
FBOX、LBOX	③	PCCARD(1/2)	⑪
AD-MAIN(1/7)	④	PCCARD(2/2)	⑫
ASIC1-MAIN(2/7)	⑤		

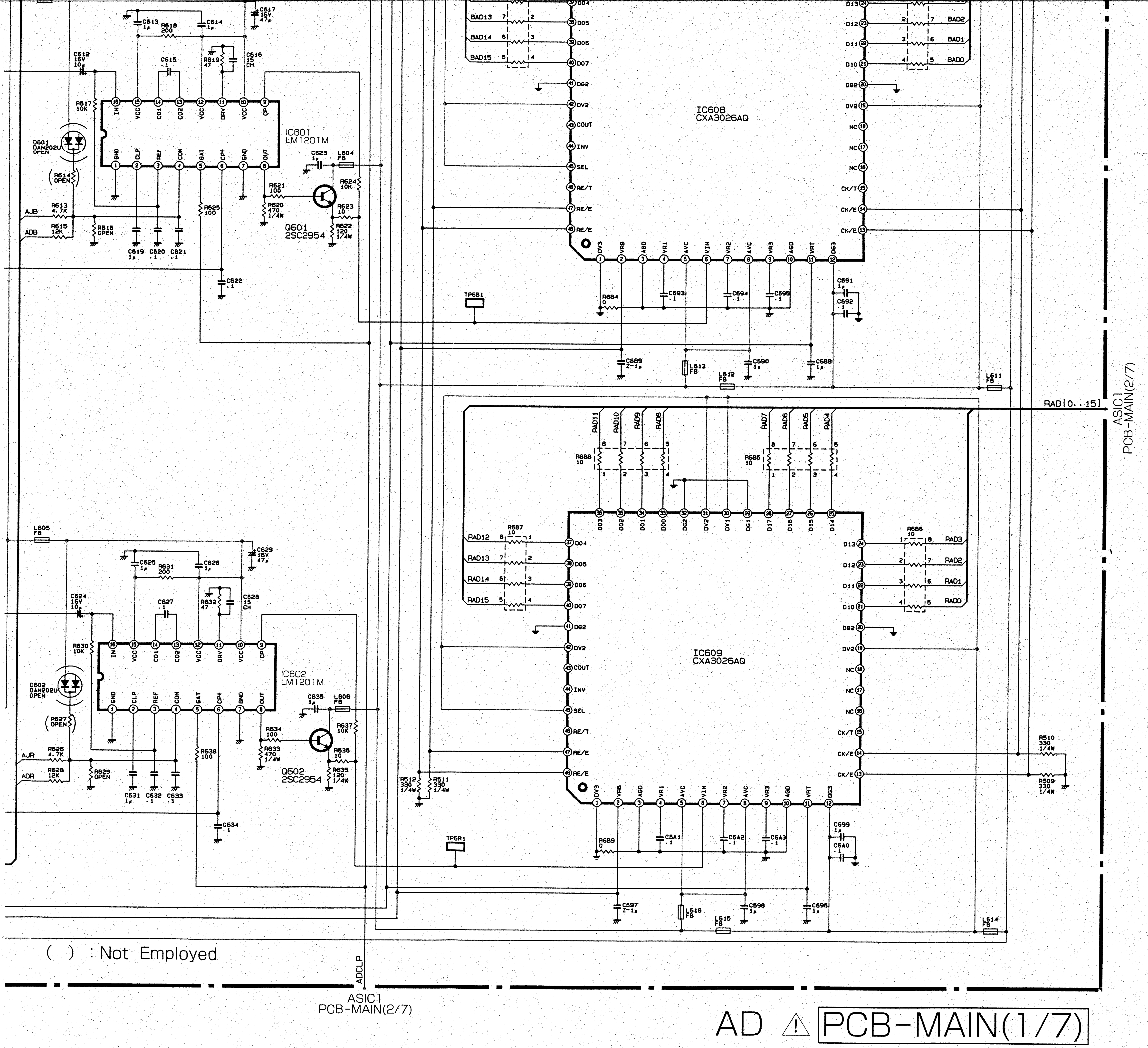

13
12
11
10
9
8
7
6
5
IC607
CXA3026AQ
IC608
CXA3026AQ
IC600
LM1201M
IC601
LM1201M
Q600
2SC2954
Q601
IC502
CXA3106Q
IC603
MC74HC4053F
IC606
UPC4574-G2
D600
DAN202U
OPEN
D601
DAN202U
OPEN
D604
DA204K
SUBUCOM
PCB-MAIN(4/7)
ASIC1
PCB-MAIN(2/7)
ASIC1
PCB-MAIN(2/7)
LOCK
CLK/2
DSYNC
HOLD
IHD
ADI
ACLK
SLDO
AJG
ADG
AJB
ADB
CLPB
TP661
GAD4
GAD5
GAD6
GAD7
GAD8
GAD9
GAD10
GAD11
GAD12
GAD13
GAD14
GAD15
BAD4
BAD5
BAD6
BAD7
BAD8
BAD9
BAD10
BAD11
BAD12
BAD13
BAD14
BAD15
R641 10
R643 10
R644 10
R680 10
R682 10
R683 10
R645
R673 5.6K
R611 10K
R610 10
R609 120 1/4W
R608 100
R607 270 1/4W
R606 47
R605 200
R612 100
R603 OPEN
R604 10K
R601 OPEN
R600 4.7K
R602 12K
R624 10K
R623 10
R622 120
R621 100
R620 10 1/4W
R619 47
R618 200
R625 100
R617 10K
R614 OPEN
R613 4.7K
R615 12K
R616 OPEN
R502 10
R501 10
R508 100
R507 100K
R505 1.8K
R506 3.3K
R682 100
R670 4.7K
R669 4.3K
R657 100
R674 47K
R675 5.6K
R676 47K
C683 1μ
C684 .1
C680 1μ
C687 .1
C682 1μ
C686 .1
C685 .1
C681 Z-1μ
C611 1μ
C605 16V 47μ
C604 15 CH
C602 1μ
C603 1μ
C601 1μ
C600 16V 1μ
C610 .1
C609 .1
C608 .1
C607 1μ
C623 1μ
C617 16V 47μ
C616 15 CH
C614 1μ
C615 1μ
C613 1μ
C612 10V 1μ
C505 Z-.1
C514 Z-.01
C500 16V 47μ
C513 Z-1μ
C506 Z-.1
C507 Z-.1
C508 Z-.1
C504 Z-.1
C509 Z-.1
C510 Z-.1
C512 Z-.1
C511 Z-.1
C516 100 MMP
C515 Z-.1
C517 .1 MMP
C518 .1
C554 1 PPS
C545 .022 PPS
C519 1200 PPS
C501 1μ
C536 .1
C658 .01
C652 6.3V 47μ
C659 Z-.1
C661 .01
L500 FB
L501 FB
L503 FB
L509 FB
L510 FB
L601 FB
L604 FB
L662 FB
L607 FB
D14 D15 D16 D17 DG1 DV1 DV2 DG2 D00 D01 D02 D03
D04 D05 D06 D07 DG2 DV2 COUT INV SEL RE/T RE/E
D13 D12 D11 D10 DG2 DV2 NC NC NC CK/T CK/E CK/E
DG3 VRT AGD VR3 AVC VR2 VIN AVC VR1 AGD VRB DV3
CP VCC DRV VCC CO2 CO1 VCC IN
OUT GND CP+ SAT CON REF CLP GND
DSYNC CLK CLKN CLK/2 CLK/2N DGND DVCC UNLOCK DIVOUT SEROUT CS TLOAD
TTLGND TTLVCC IOGND PECLVCC CLK/2L CLK/2H CLKL CLKH DSYNCL DSYNCH VBB PECLVCC
SDATA SCLK SENABLE SYNC SYNCL SYNCH HOLD VCO VCOL VCOH IOGND IOVCC
IOGND IOVCC PLLVCC PLLGND VCOVCC VCOGND VCOHGND IREF RC2 RC1 IRGND IRVCC
VCC Y X Y1 Y0 Z1


IC608
CXA3026AQ
IC609
CXA3026AQ
IC601
LM1201M
IC602
LM1201M
Q601
2SC2954
Q602
2SC2954
IC603
MC74HC4053F
IC604
TL431CPS
IC605
UPC4574-G2
IC606
UPC4574-G2
Q603
2SA1213
Q604
2SC2873
D601
DAN202U
OPEN
D602
DAN202U
OPEN
D603
DA204K
D604
DA204K
D605
DA204K
D606
DA204K
D607
DA204K
D608
DAN202U
D609
DAN202U
TP681
TP6R1
AJB
ADB
AJR
ADR
CLPB
CLBY
CLRY
CLPR
CLPG
REF
DRIVE1
PCB-MAIN(6/7)
RGB/YUV
SUBUCOM
PCB-MAIN(4/7)
ADCLP
ASIC1
PCB-MAIN(2/7)

( ) : Not Employed

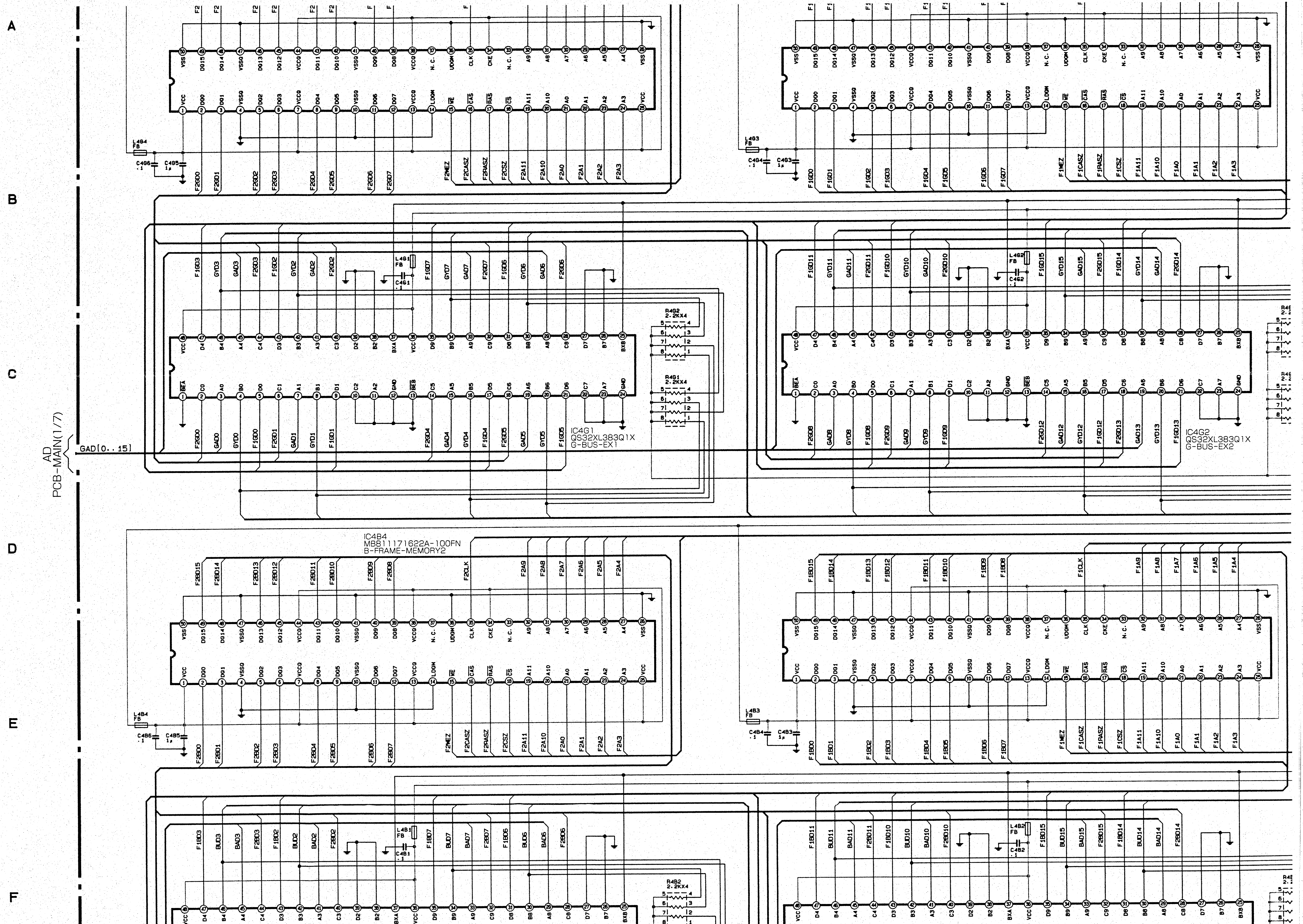
AD ⚠ PC


9
10
11
12
13
14
15
16
SUBCOM
PCB-MAIN(4/7)
LOCK
SW50
ASIC1
PCB-MAIN(2/7)
GAD[0..15]
BAD[0..15]
IC607
CXA3026AQ
IC608
CXA3026AQ
IC600
LM1201M
IC601
LM1201M
Q600
2SC2954
D500
DAN202U
OPEN
D501
DAN202U
OPEN
TP691
AJG
ADG
L500
FB
L501
FB
L503
FB
L504
FB
L508
FB
L509
FB
L610
FB
R6A1
10
R6A2
10
R6A3
10
R6A4
10
R6A5
0
R680
10
R681
10
R682
10
R683
10
R600
4.7K
R601
OPEN
R602
12K
R603
OPEN
R604
10K
R605
200
R606
47
R607
470
1/4W
R608
100
R609
120
1/4W
R610
10
R611
10K
R612
100
R614
OPEN
R617
10K
R618
200
R619
47
R621
R624
10K
R673
5.6K
C500
16V
10μ
C501
1μ
C502
1μ
C503
.1
C504
15
CH
C505
16V
47μ
C507
1μ
C508
.1
C509
.1
C510
.1
C511
1μ
C512
16V
10μ
C513
1μ
C514
1μ
C515
.1
C516
15
CH
C517
16V
47μ
C523
1μ
C680
1μ
C681
2-1μ
C682
1μ
C683
1μ
C684
.1
C685
.1
C686
.1
C687
.1
GAD0
GAD1
GAD2
GAD3
GAD4
GAD5
GAD6
GAD7
GAD8
GAD9
GAD10
GAD11
GAD12
GAD13
GAD14
GAD15
BAD0
BAD1
BAD2
BAD3
BAD4
BAD5
BAD6
BAD7
BAD8
BAD9
BAD10
BAD11
BAD12
BAD13
BAD14
BAD15
DV3
VRB
AGD
VR1
AVC
VIN
VR2
VR3
VRT
DG3
CK/E
CK/T
NC
DV2
DG2
D10
D11
D12
D13
D14
D15
D16
D17
DG1
DV1
D00
D01
D02
D03
D04
D05
D06
D07
COUT
INV
SEL
RE/T
RE/E
IN
VCC
CO1
CO2
DRV
CP
GND
CLP
REF
CON
SAT
CP+
OUT

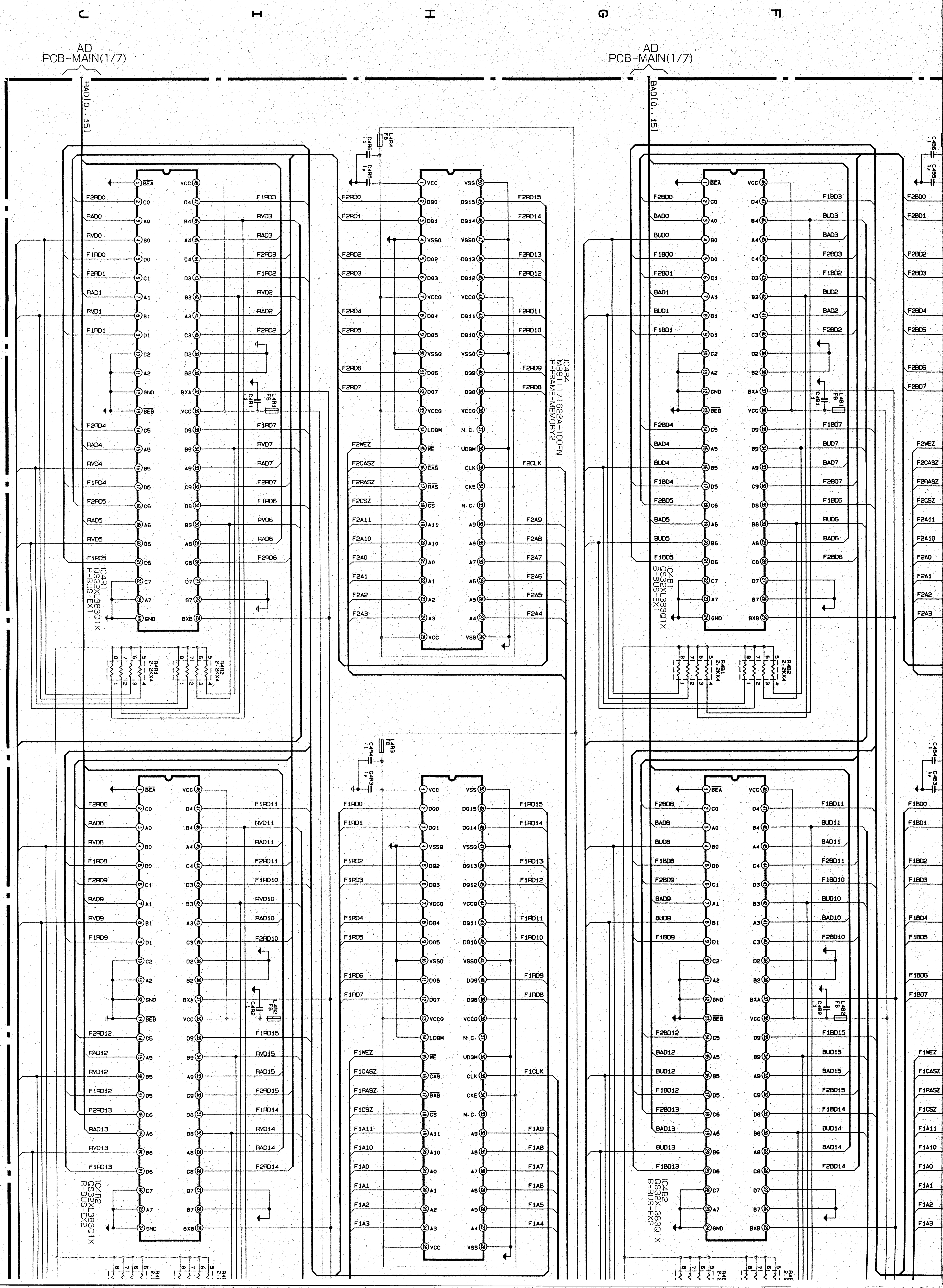

IC608
CXA3026AQ
IC609
CXA3026AQ
IC601
LM1201M
IC602
LM1201M
Q601
2SC2954
Q602
2SC2954
D601
DAN202U
OPEN
D602
DAN202U
OPEN
RAD[0..15]
ASIC1
PCB-MAIN(2/7)
ADCLP
ASIC1
PCB-MAIN(2/7)
AJB
ADB
AJR
ADR
TP681
TP6R1
R684
R685
R686
R687
R688
R689
R509 330 1/4W
R510 330 1/4W
R511 330 1/4W
R512 330 1/4W
L504 FB
L505 FB
L506 FB
L611 FB
L612 FB
L613 FB
L614 FB
L615 FB
L616 FB
C688
C689
C690
C691
C692
C693
C694
C695
C696
C697
C698
C699
C6A0
C6A1
C6A2
C6A3
RAD0
RAD1
RAD2
RAD3
RAD4
RAD5
RAD6
RAD7
RAD8
RAD9
RAD10
RAD11
RAD12
RAD13
RAD14
RAD15
BAD0
BAD1
BAD2
BAD13
BAD14
BAD15

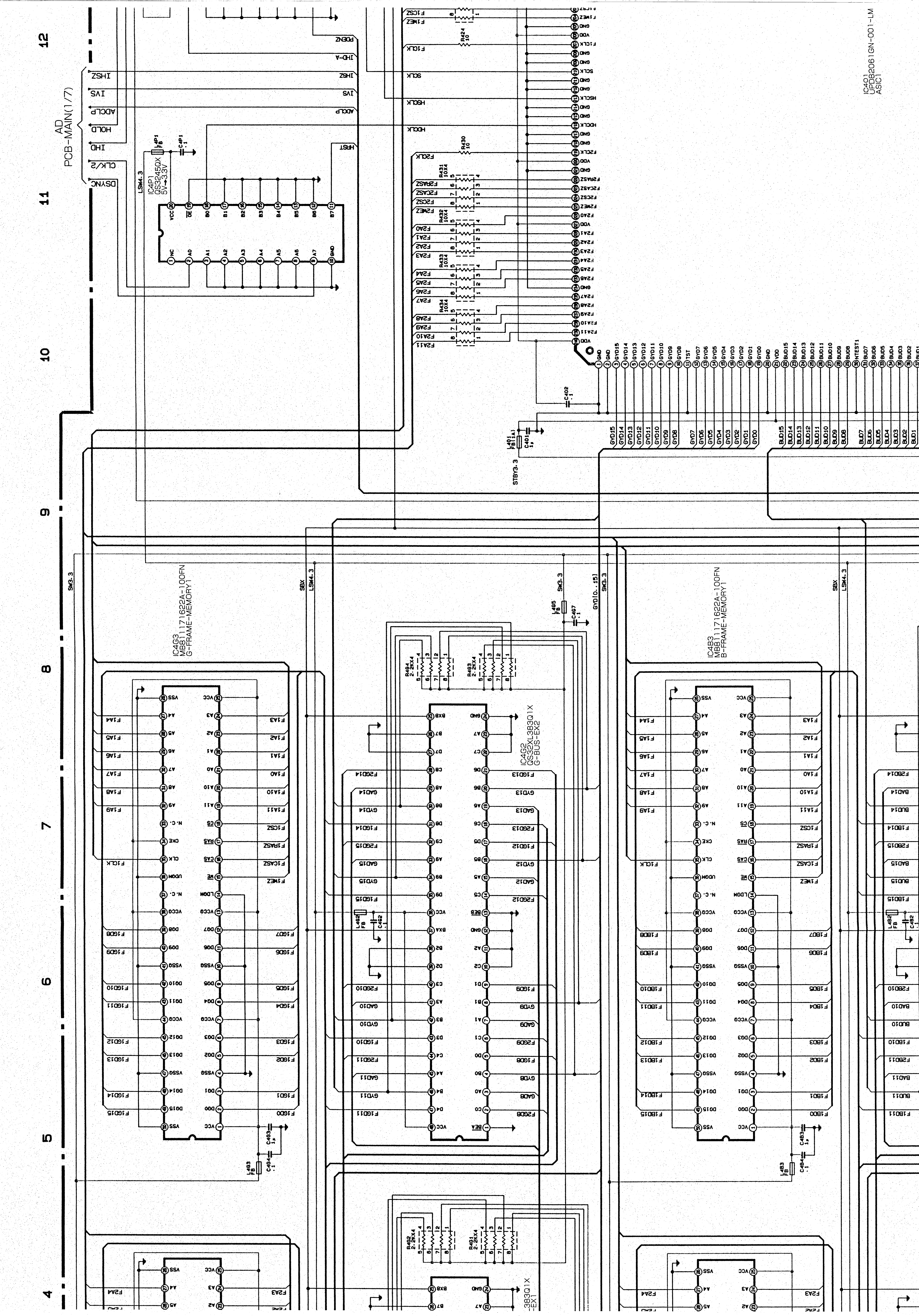
( ) : Not Employed

AD ⚠ PCB-MAIN(1/7)


A
B
C
D
E
F
AD
PCB-MAIN(1/7)
GAD[0..15]
IC4G1
QS32XL383Q1X
G-BUS-EX1
IC4G2
QS32XL383Q1X
G-BUS-EX2
IC4B4
MB811171622A-100FN
B-FRAME-MEMORY2
R4G1
2.2KX4
R4G2
2.2KX4
R4B2
2.2KX4
L4G1
FB
L4G2
FB
L4G3
FB
L4G4
FB
L4B1
FB
L4B2
FB
L4B3
FB
L4B4
FB
C4G1
.1
C4G2
.1
C4G3
1μ
C4G4
.1
C4G5
1μ
C4G6
.1
C4B1
.1
C4B2
.1
C4B3
1μ
C4B4
.1
C4B5
1μ
C4B6
.1

5


J
I
H
G
F
AD
PCB-MAIN(1/7)
RAD[0..15]
AD
PCB-MAIN(1/7)
BAD[0..15]
IC4R1
QS32XL383Q1X
R-BUS-EX1
IC4R4
MB811171622A-100FN
R-FRAME-MEMORY2
IC4B1
QS32XL383Q1X
B-BUS-EX1
IC4R2
QS32XL383Q1X
R-BUS-EX2
IC4B2
QS32XL383Q1X
B-BUS-EX2
R4R1 2.2Kx4
R4R2 2.2Kx4
R4B1 2.2Kx4
R4B2 2.2Kx4
L4R1 FB
C4R1 .1
L4R2 FB
C4R2 .1
L4B1 FB
C4B1 .1
L4B2 FB
C4B2 .1
L4R3 FB
C4R3 1μ
C4R4 .1
L4R4 FB
C4R5 1μ
C4R6 .1
C4B3 1μ
C4B4 .1
C4B5 1μ
C4B6 .1


AD
PCB-MAIN(1/7)
IC401
UPD82061GN-001-LM
ASIC1
IC4P1
QS3245QX
5V→3.3V
IC4G3
MB811171622A-100FN
G-FRAME-MEMORY1
IC4G2
QS32XL383Q1X
G-BUS-EX2
IC4B3
MB811171622A-100FN
B-FRAME-MEMORY1
DSYNC
CLK/2
IHD
HOLD
ADCLP
IVS
IHSZ
SW3.3
SBX
LSW4.3
STBY3.3
GYD[0..15]
4
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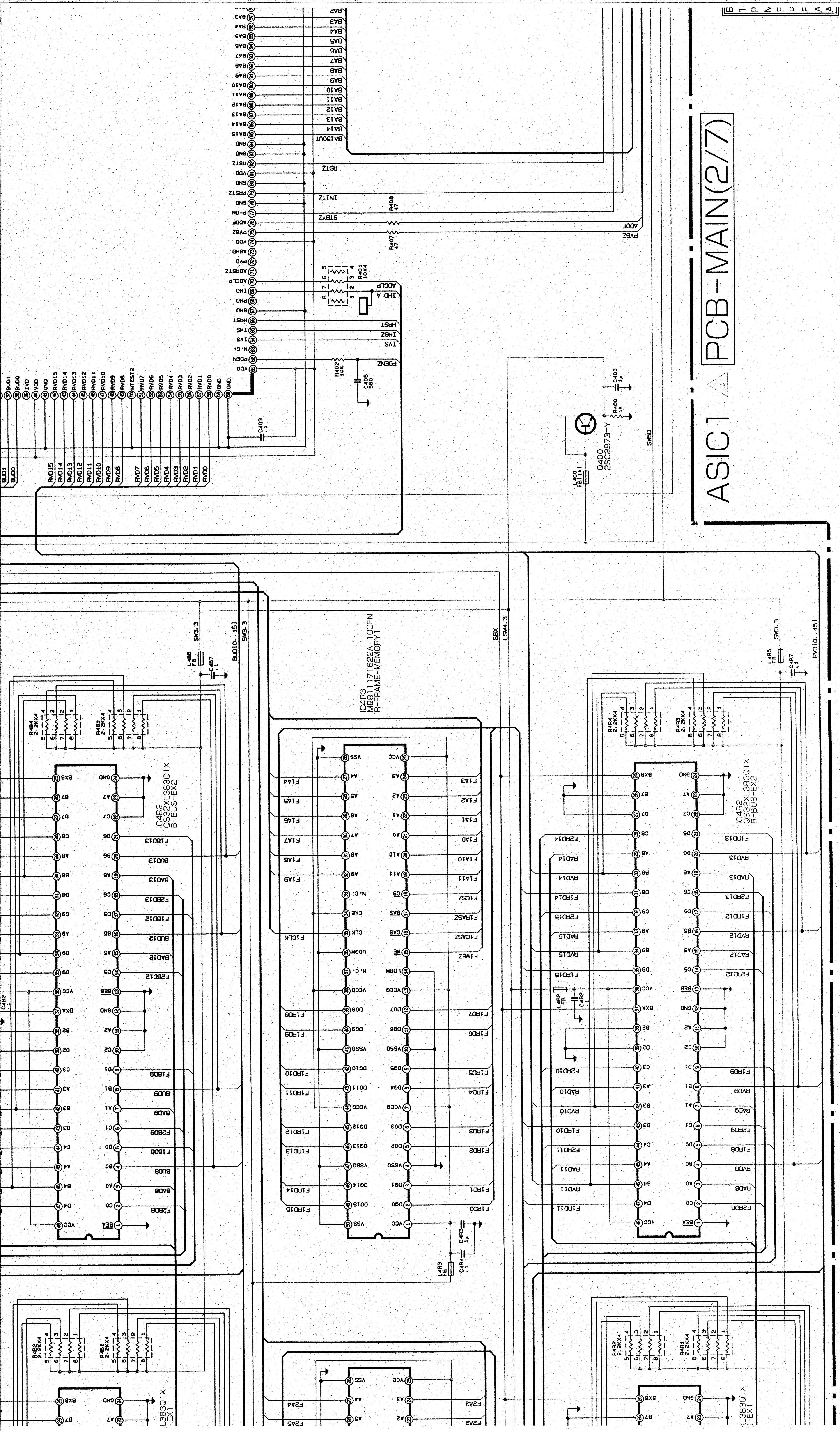
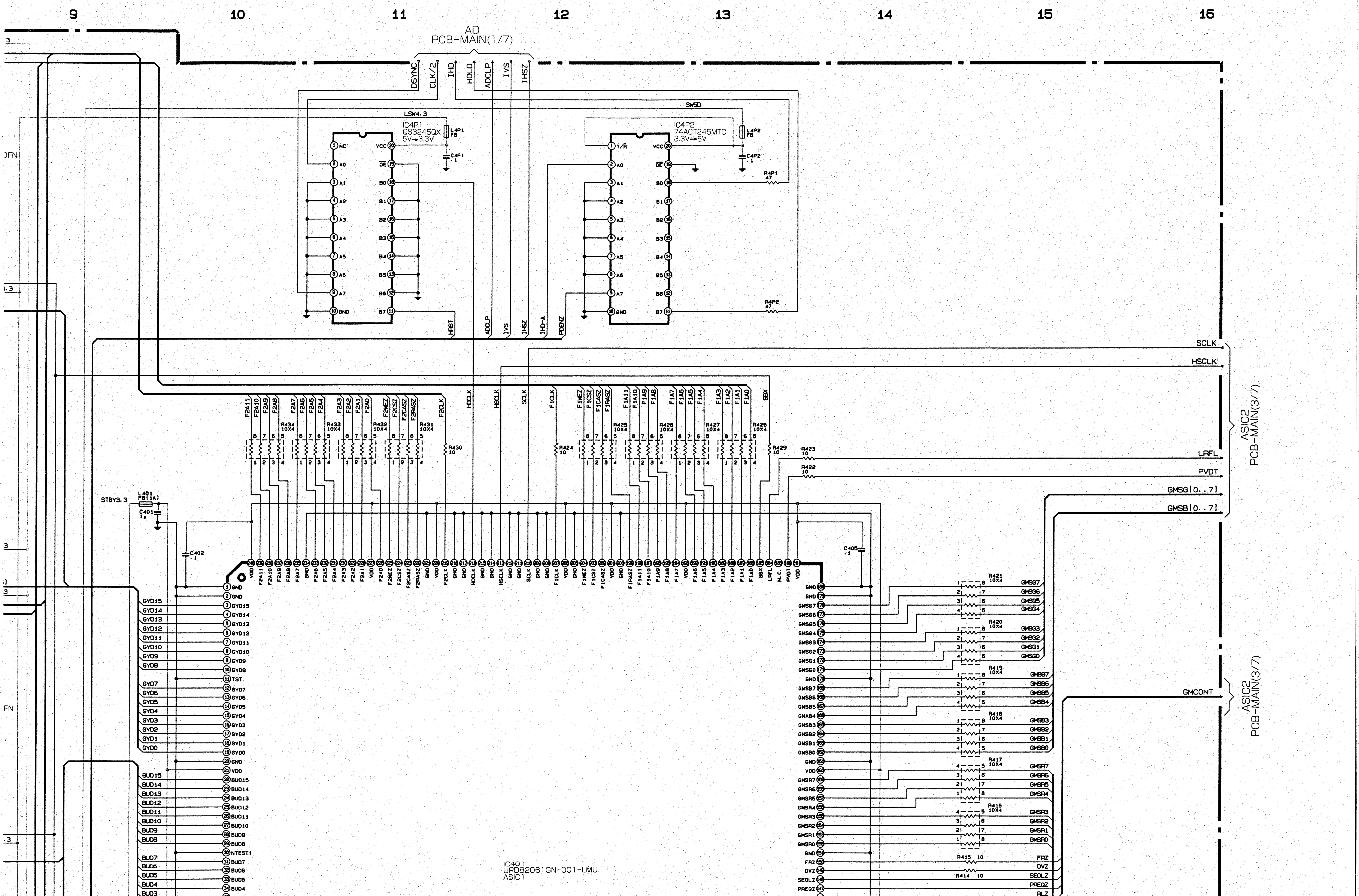
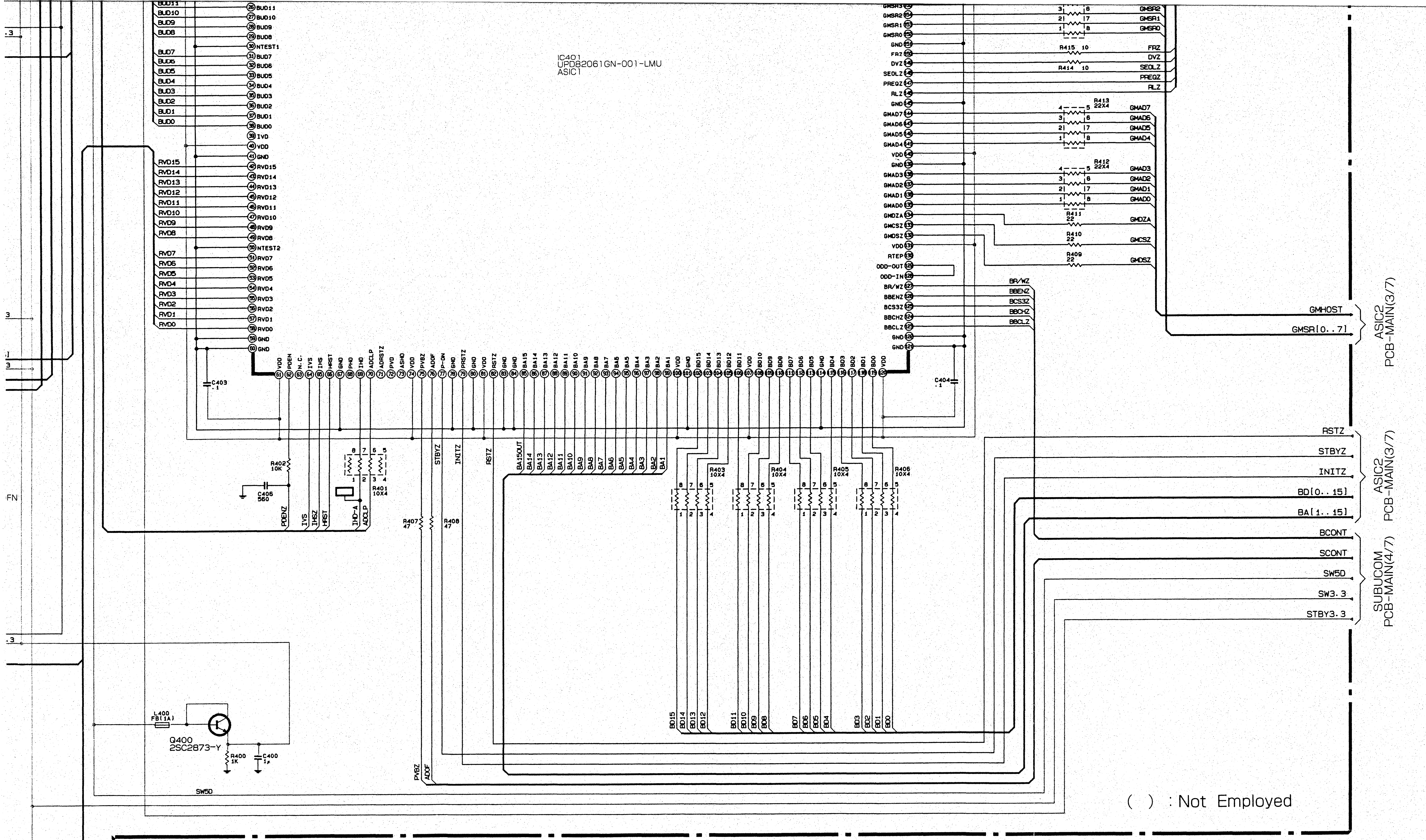
6
7
8
9
10
11
12



ASIC1
PCB-MAIN(2/7)
Q400 2SC2873-Y
L400 FB(1A)
R400 1K
C400 1μ
SW50
R401 10X4
R402 10K
C406 560
R407 47
R408 47
C403 .1
IC4R3 MB81117162A-100FN R-FRAME-MEMORY1
IC4B2 QS32XL383Q1X B-BUS-EX2
IC4R2 QS32XL383Q1X R-BUS-EX2
R4B4 2.2KX4
R4B3 2.2KX4
R4B2 2.2KX4
R4B1 2.2KX4
R4R4 2.2KX4
R4R3 2.2KX4
R4R2 2.2KX4
R4R1 2.2KX4
L4B5 FB
C4B7 .1
L4R5 FB
C4R7 .1
L4R3 FB
C4R3 1μ
C4R4 .1
L4R2 FB
C4R2 .1
C4B2 .1
SW3.3
BUD[0..15]
RVD[0..15]
SBX
LSW4.3
ADCLP
IHD-A
HRST
IHSZ
IVS
PDENZ
RST2
INIT2
STBYZ
ADOF
PVBZ
BA15OUT

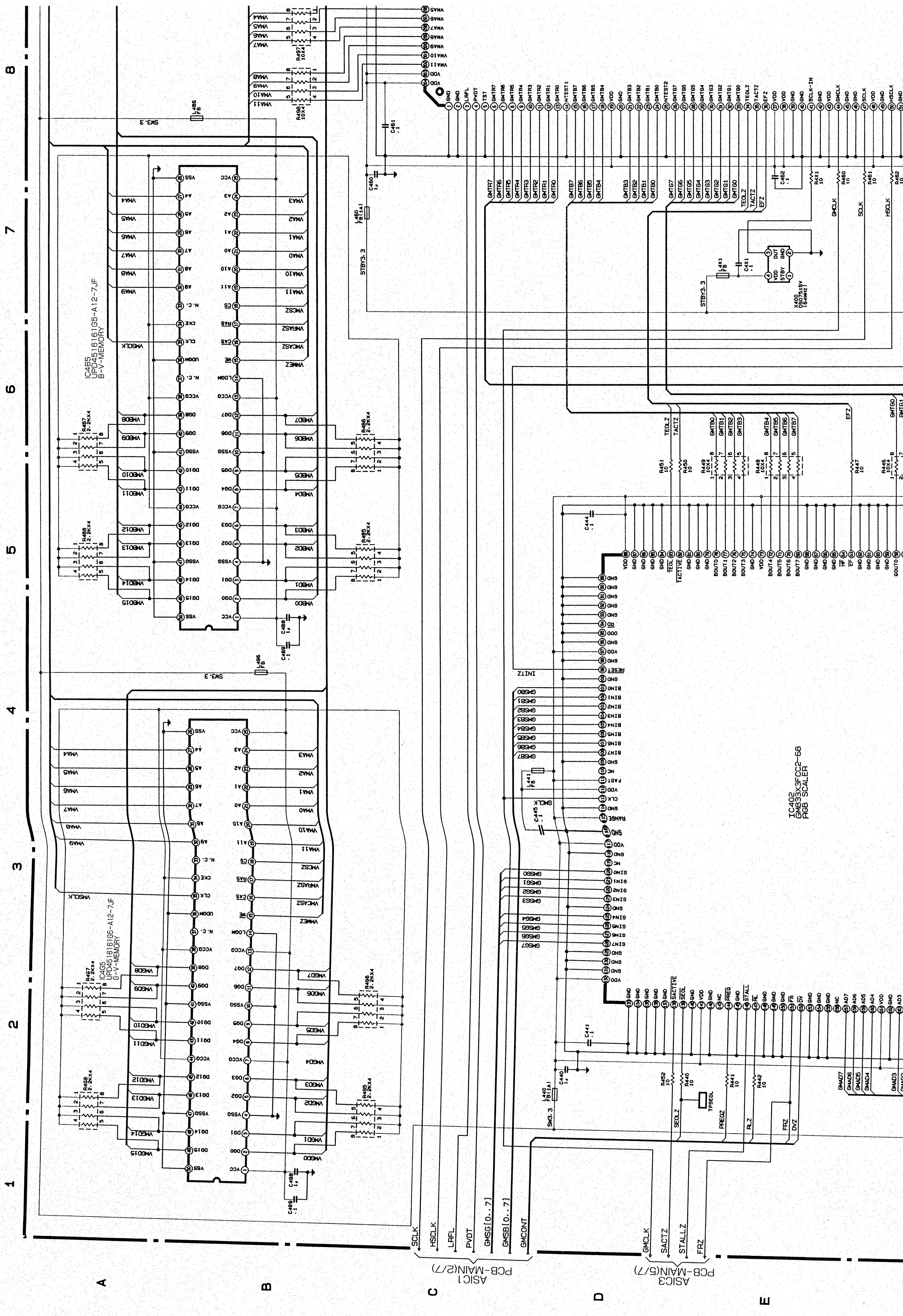

9
10
11
12
13
14
15
16
AD
PCB-MAIN(1/7)
DSYNC
CLK/2
IHD
HOLD
ADCLP
IVS
IHSZ
LSW4.3
SW5D
IC4P1
QS3245QX
5V→3.3V
L4P1
FB
C4P1
.1
IC4P2
74ACT245MTC
3.3V→5V
L4P2
FB
C4P2
.1
R4P1
47
R4P2
47
HRST
IHD-A
PDENZ
SCLK
HSCLK
LRFL
PVDT
GMSG[0..7]
GMSB[0..7]
ASIC2
PCB-MAIN(3/7)
GMCONT
ASIC2
PCB-MAIN(3/7)
F2CLK
HDCLK
F1CLK
SBX
R423
10
R422
10
R424
10
R429
10
R430
10
R425
10X4
R426
10X4
R427
10X4
R428
10X4
R431
10X4
R432
10X4
R433
10X4
R434
10X4
R414 10
R415 10
R416
10X4
R417
10X4
R418
10X4
R419
10X4
R420
10X4
R421
10X4
STBY3.3
L401
FB(1A)
C401
1μ
C402
.1
C405
.1
IC401
UPD82061GN-001-LMU
ASIC1
FRZ
DVZ
SEOLZ
PREQZ
RLZ

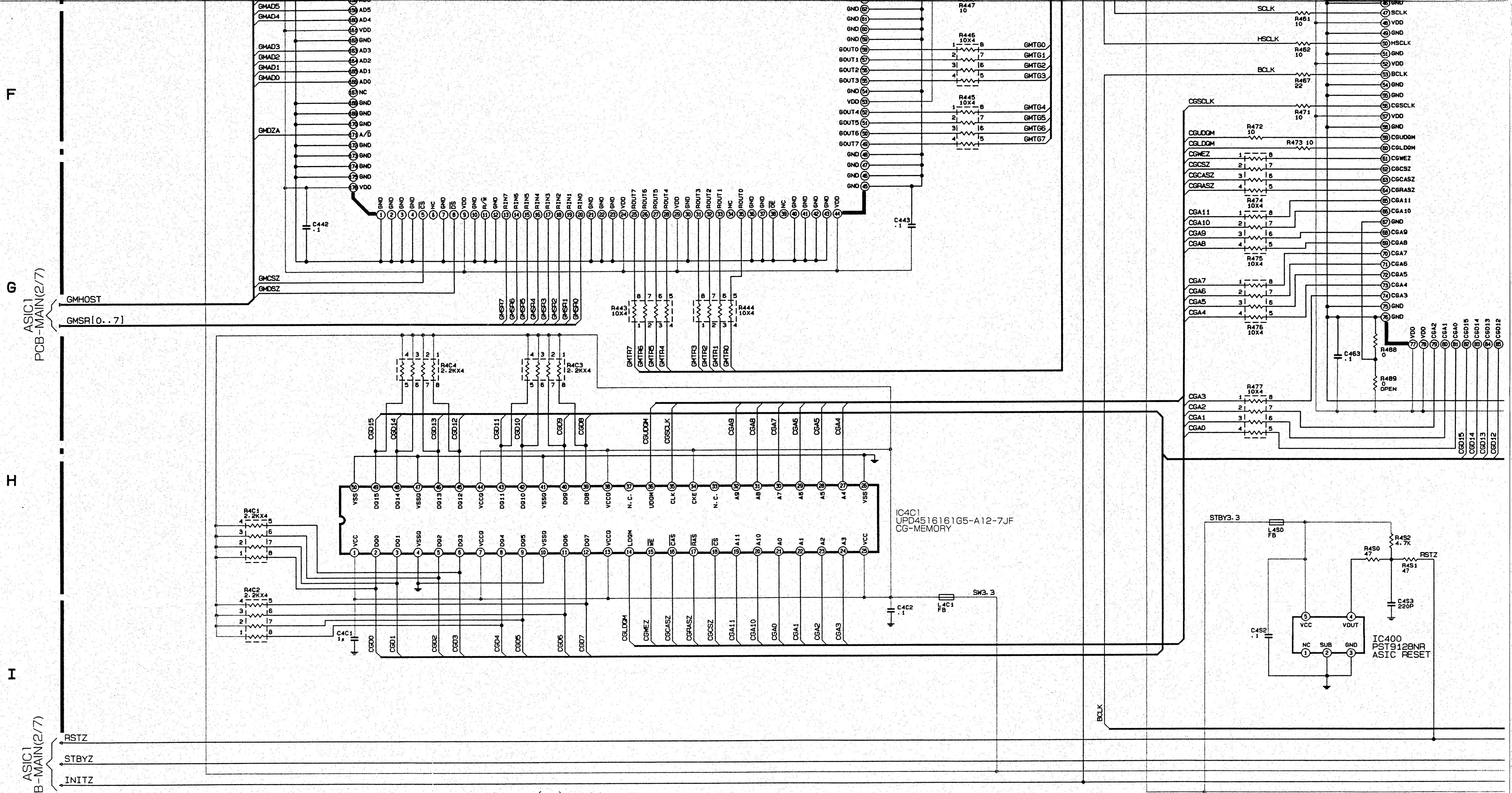

IC401
UPD82061GN-001-LMU
ASIC1
ASIC2
PCB-MAIN(3/7)
GMHOST
GMSR[0..7]
RSTZ
STBYZ
INITZ
BD[0..15]
BA[1..15]
SUBUCOM
PCB-MAIN(4/7)
BCONT
SCONT
SW5D
SW3.3
STBY3.3
R415 10
R414 10
R413 22X4
R412 22X4
R411 22
R410 22
R409 22
R406 10X4
R405 10X4
R404 10X4
R403 10X4
R401 10X4
R402 10K
R407 47
R408 47
R400 1K
C403 .1
C404 .1
C405 560
C400 1μ
L400 FB(1A)
Q400 2SC2873-Y
SW5D
FRZ
DVZ
SEDLZ
PREQZ
RLZ
GMAD7
GMAD6
GMAD5
GMAD4
GMAD3
GMAD2
GMAD1
GMAD0
GMDZA
GMCSZ
GMDSZ
GMSR2
GMSR1
GMSR0
BR/WZ
BBENZ
BCS3Z
BBCHZ
BBCLZ
BA15OUT
PVBZ
ADOF
PDENZ
IVS
IHSZ
HRST
IHD-A
ADCLP
( ) : Not Employed

ASIC1 ⚠ PCB-MAIN(2/7)

LVP-X100E CONTENTS

BLOCK DIAGRAM	……	①	ASIC2-MAIN(3/7)	……	⑥
TERMINAL	……	②	SUBUCOM-MAIN(4/7)	……	⑦
POWER、POWER SUB	……	③	ASIC3-MAIN(5/7)	……	⑧
MOTOR、INLET、COIL	……	③	DECODER	……	⑧
FILTER、PFC	……	③	DRIVE1-MAIN(6/7)	……	⑨
POWER SUB2、POWER SUB3	……	③	DRIVE2-MAIN(7/7)	……	⑩
FBOX、LBOX	……	③	PCCARD(1/2)	……	⑪
AD-MAIN(1/7)	……	④	PCCARD(2/2)	……	⑫
ASIC1-MAIN(2/7)	……	⑤			


IC485
UPD4516165-A12-7JF
B-V-MEMORY
IC465
UPD4516165-A12-7JF
G-V-MEMORY
IC402
GM833X3FCC2-68
RGB SCALER
X400
DS0751SV
SCLK
HSCLK
LRFL
PVDT
GMSG[0..7]
GMSB[0..7]
GMCONT
PCB-MAIN(2/7)
ASIC1
GMCLK
SACTZ
STALLZ
FRZ
PCB-MAIN(5/7)
ASIC3
SW3.3
STBY3.3
A
B
C
D
E
1
2
3
4
5
6
7
8


F
G
H
I
ASIC1
PCB-MAIN(2/7)
GMHOST
GMSR[0..7]
ASIC1
PCB-MAIN(2/7)
RSTZ
STBYZ
INITZ
IC4C1
UPD4516161G5-A12-7JF
CG-MEMORY
IC400
PST9128NR
ASIC RESET
STBY3.3
SW3.3
L4S0
FB
L4C1
FB
R4S0
47
R4S1
47
R4S2
4.7K
C4S2
.1
C4S3
220P
C4C1
1μ
C4C2
.1
C442
.1
C443
.1
C463
.1
R4C1
2.2KX4
R4C2
2.2KX4
R4C3
2.2KX4
R4C4
2.2KX4
R443
10X4
R444
10X4
R445
10X4
R446
10X4
R447
10
R451
10
R452
10
R467
22
R471
10
R472
10
R473 10
R474
10X4
R475
10X4
R476
10X4
R477
10X4
R488
0
R489
0
OPEN
SCLK
HSCLK
BCLK
CGSCLK
CGUDQM
CGLDQM
CGWEZ
CGCSZ
CGCASZ
CGRASZ
GMDZA
GMCSZ
GMDSZ
VCC
VOUT
NC
SUB
GND

( ) : Not Employed

LVP-X100E CONTENTS

BLOCK DIAGRAM ······	①	ASIC2-MAIN(3/7) ······	⑥
TERMINAL ······	②	SUBUCOM-MAIN(4/7) ······	⑦
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MOTOR、INLET、COIL ······	③	DECODER ······	⑧
FILTER、PFC ······	③	DRIVE1-MAIN(6/7) ······	⑨
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FBOX、LBOX ······	③	PCCARD(1/2) ······	⑪
AD-MAIN(1/7) ······	④	PCCARD(2/2) ······	⑫
ASIC1-MAIN(2/7) ······	⑤		

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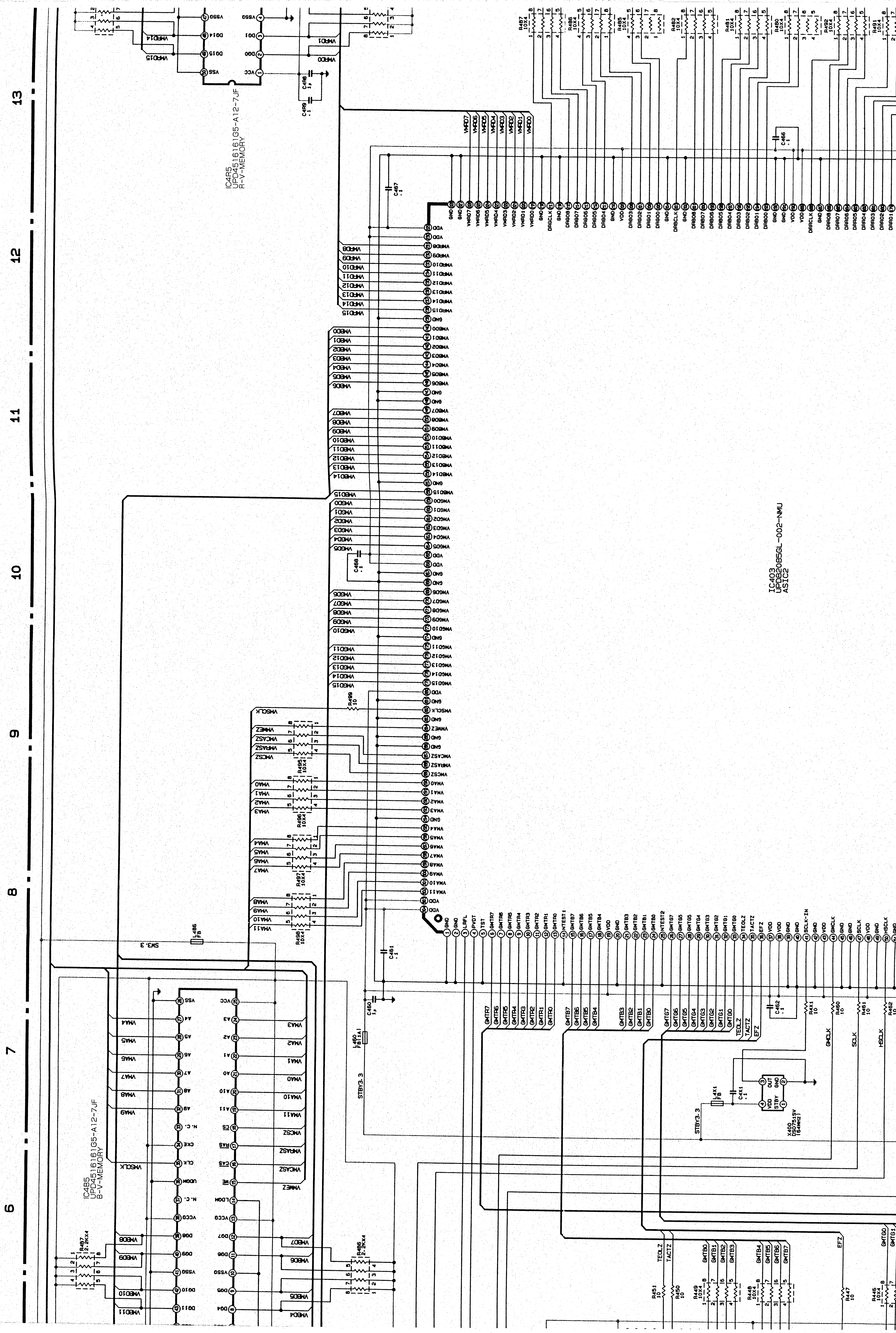
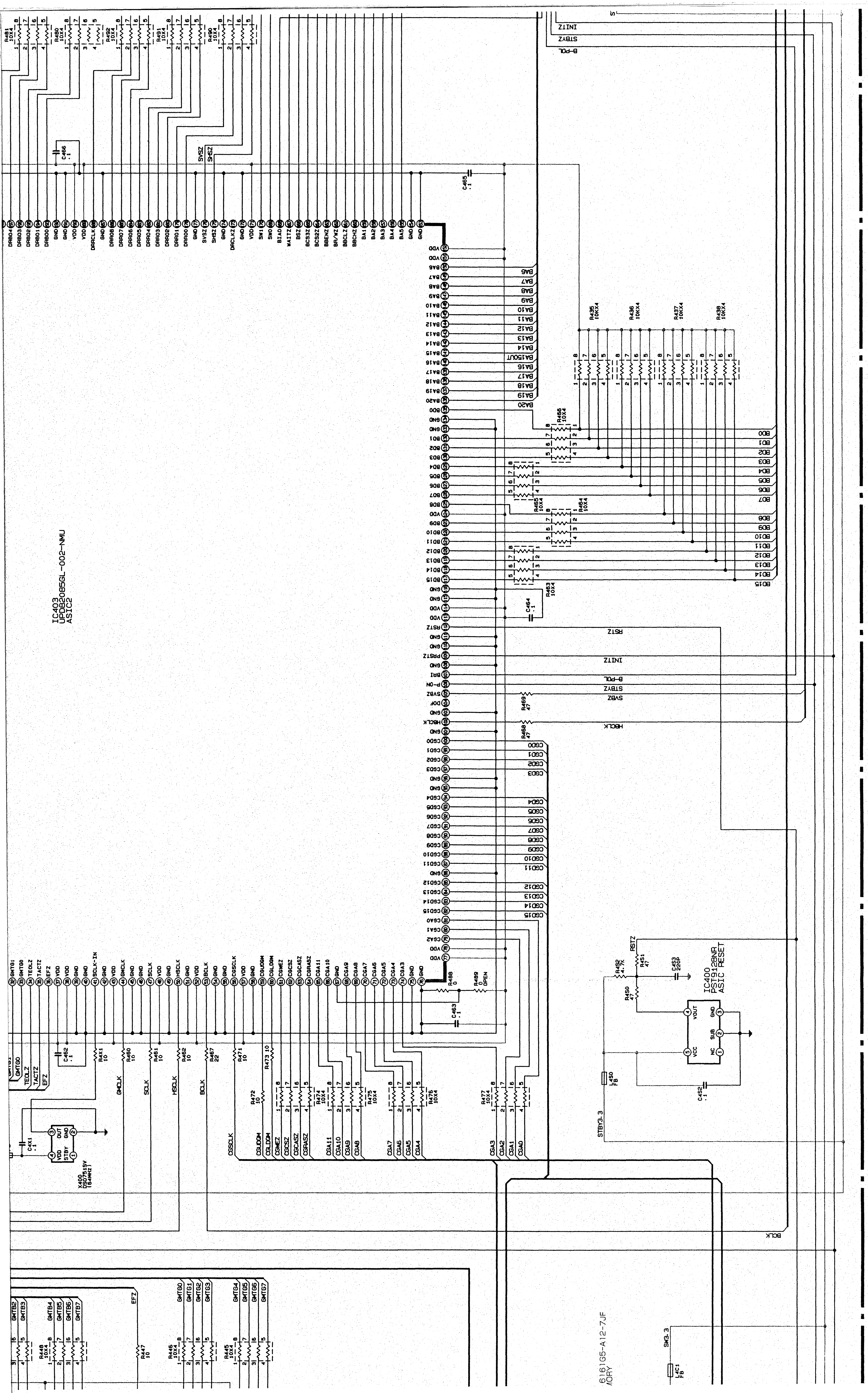
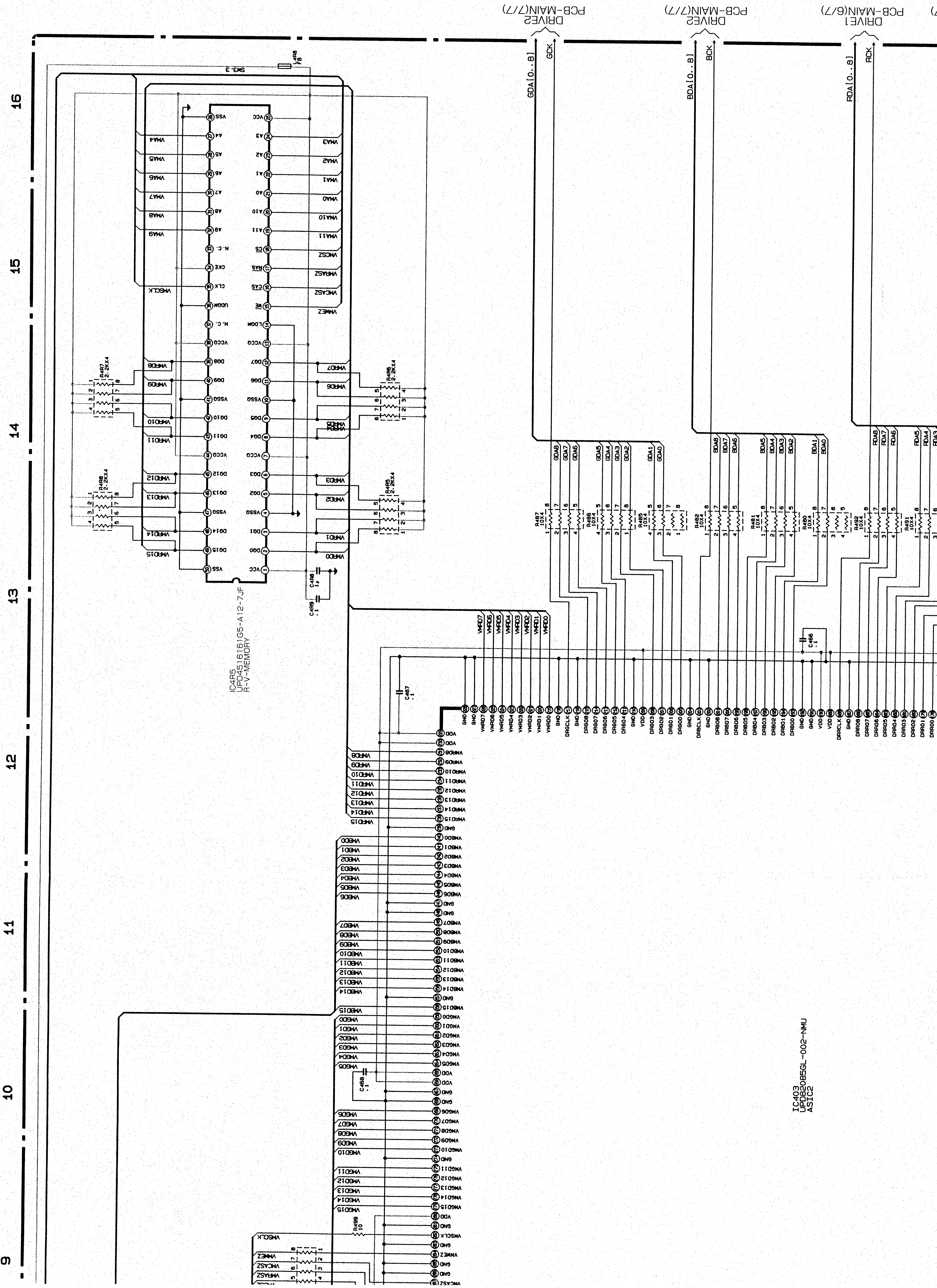
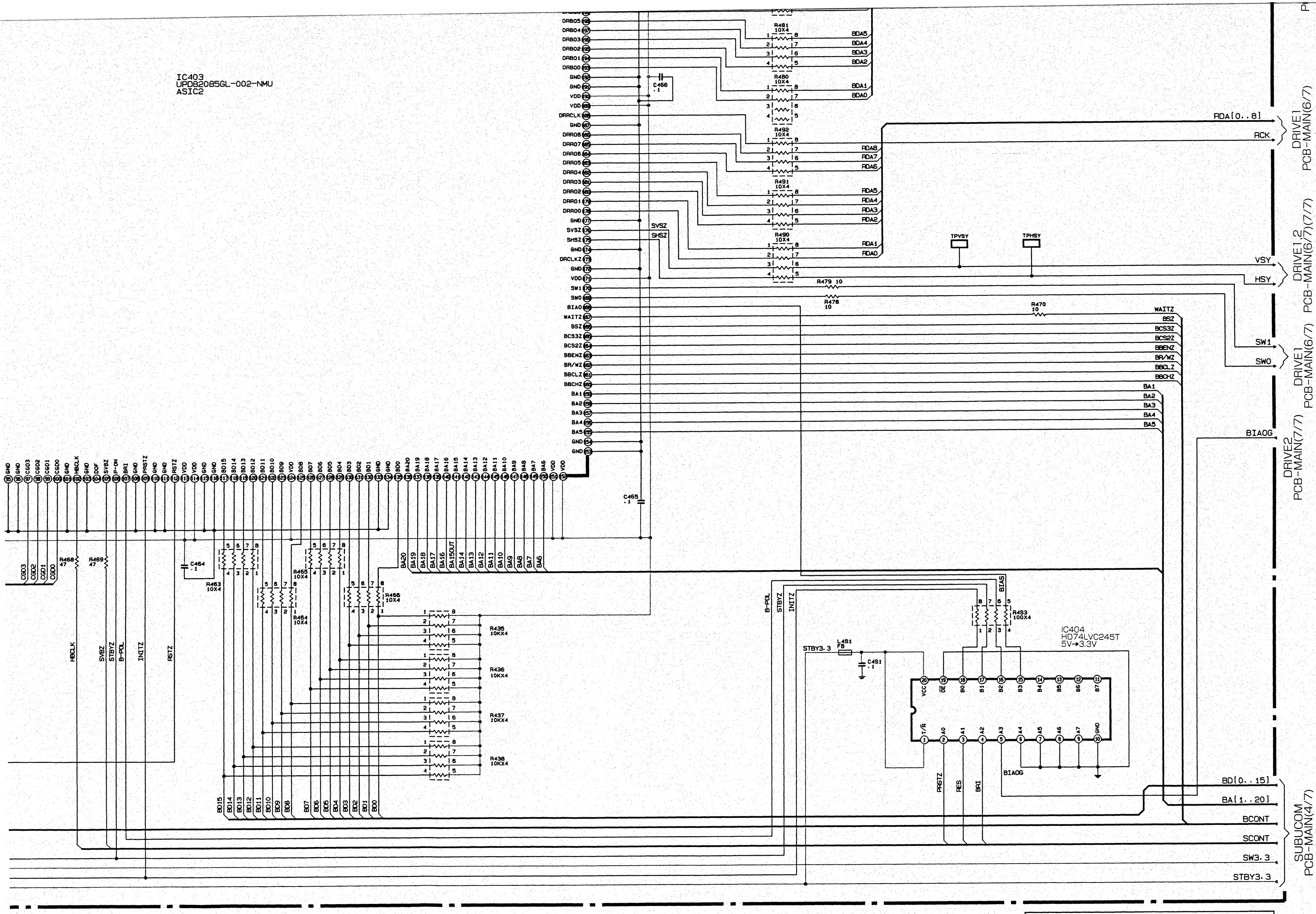
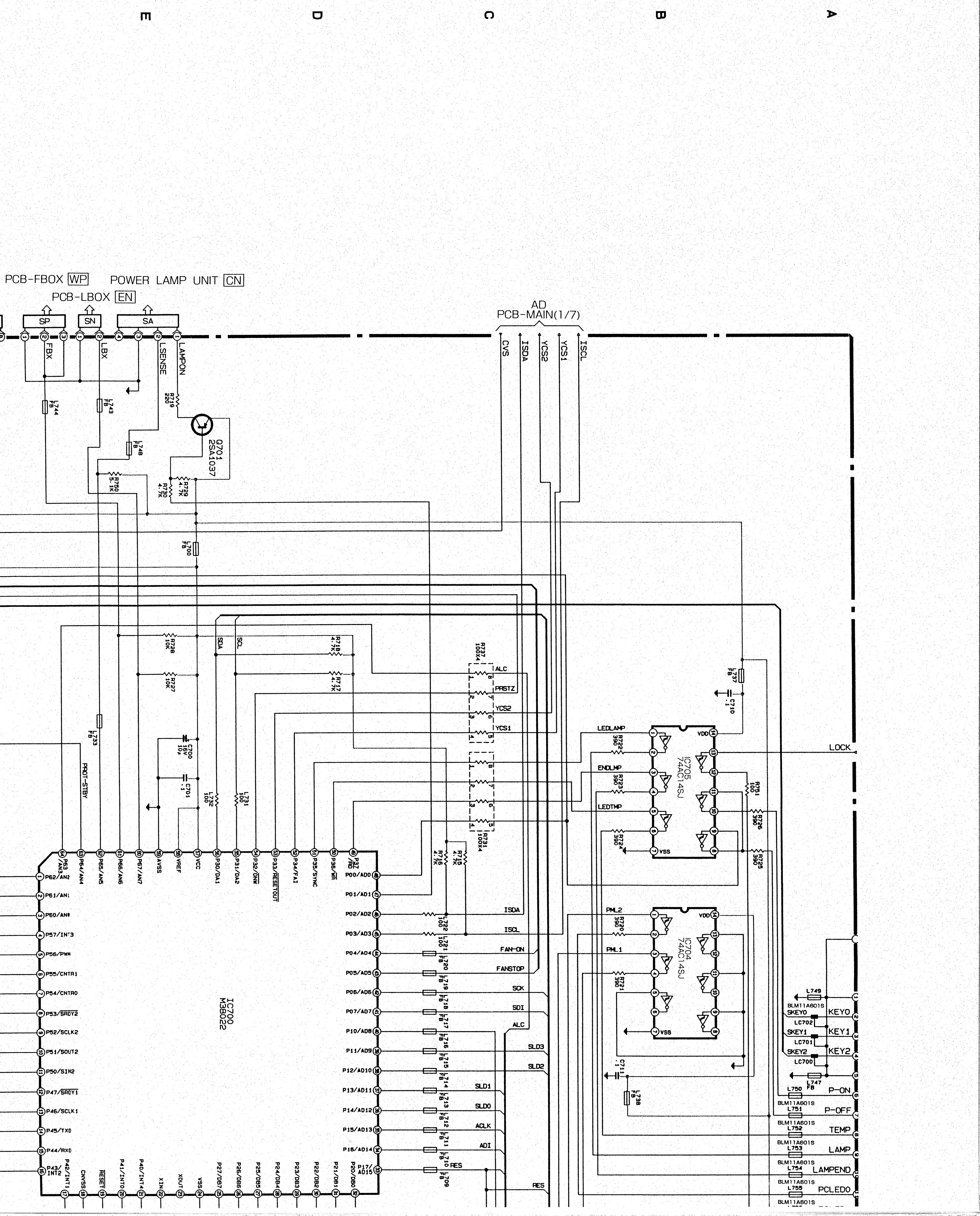

13
12
11
10
9
8
7
6
IC4R5
UPD4516161G5-A12-7JF
R-V-MEMORY
IC4B5
UPD4516161G5-A12-7JF
B-V-MEMORY
IC403
UPD82085GL-002-NMU
ASIC2
X400
DS0751SV
(54MHZ)
SW3.3
STBY3.3
L486
L460
L4X1
C460
C461
C462
C466
C467
C468
C4X1
R495
R496
R497
R498
R499
R480
R481
R482
R485
R486
R487
R446
R447
R448
R449
R450
R451
R460
R461
R462
R4X1
GMCLK
SCLK
HSCLK
TEOLZ
TACTZ
EFZ
VMSCLK
VMWEZ
VMCASZ
VMRASZ
VMCSZ

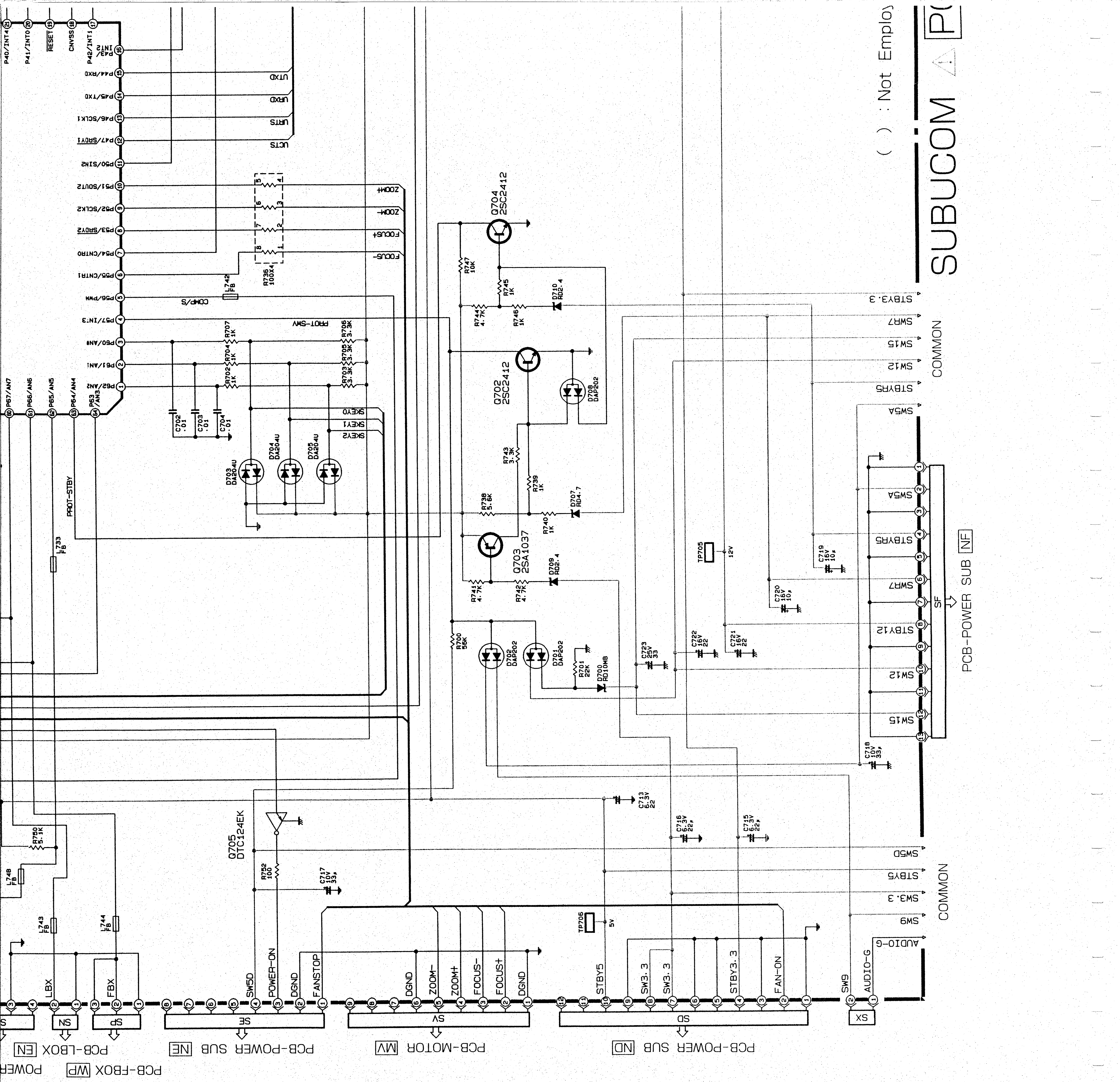

IC403
UPD82085GL-002-NMU
ASIC2
IC400
PST9128NR
ASIC RESET
X400
DSO751SV
(64MHZ)
R481 10X4
R480 10X4
R492 10X4
R491 10X4
R490 10X4
C466 .1
C465 .1
SVSZ
SHSZ
R435 10KX4
R436 10KX4
R437 10KX4
R438 10KX4
R455 10X4
R465 10X4
R464 10X4
R463 10X4
C464 .1
RSTZ
INITZ
B-POL
STBYZ
SVBZ
HBCLK
R469 47
R468 47
R488 0
R489 OPEN
C463 .1
C462 .1
C4X1 .1
R4X1 10
R460 10
R461 10
R462 10
R467 22
R471 10
R473 10
R472 10
R474 10X4
R475 10X4
R476 10X4
R477 10X4
GMCLK
SCLK
HSCLK
BCLK
CGSCLK
R452 4.7K
R451 47
R450 47
C453 220P
C452 .1
L450 FB
STBY3.3
SW3.3
L4C1 FB
R448 10X4
R447 10
R446 10X4
R445 10X4
EFZ
6161G5-A12-7JF

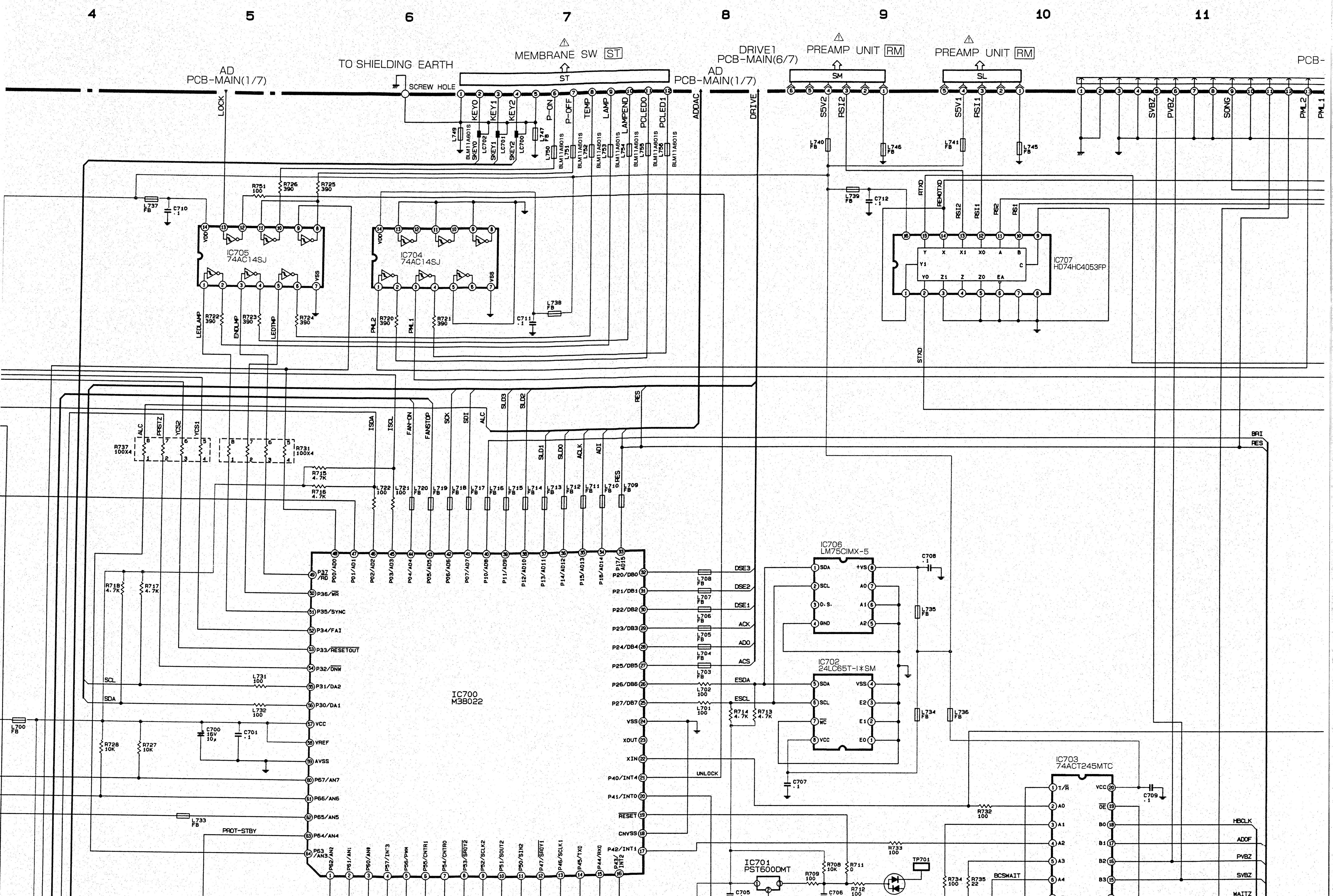
PCB-MAIN(7/7)
DRIVE2
PCB-MAIN(7/7)
DRIVE2
PCB-MAIN(6/7)
DRIVE1
GDA[0..8]
GCK
BDA[0..8]
BCK
RDA[0..8]
RCK
IC4R5
UPD4516161G5-A12-7JF
R-V-MEMORY
IC403
UPD82085GL-002-NMU
ASIC2
SW3.3
L4R8
9
10
11
12
13
14
15
16

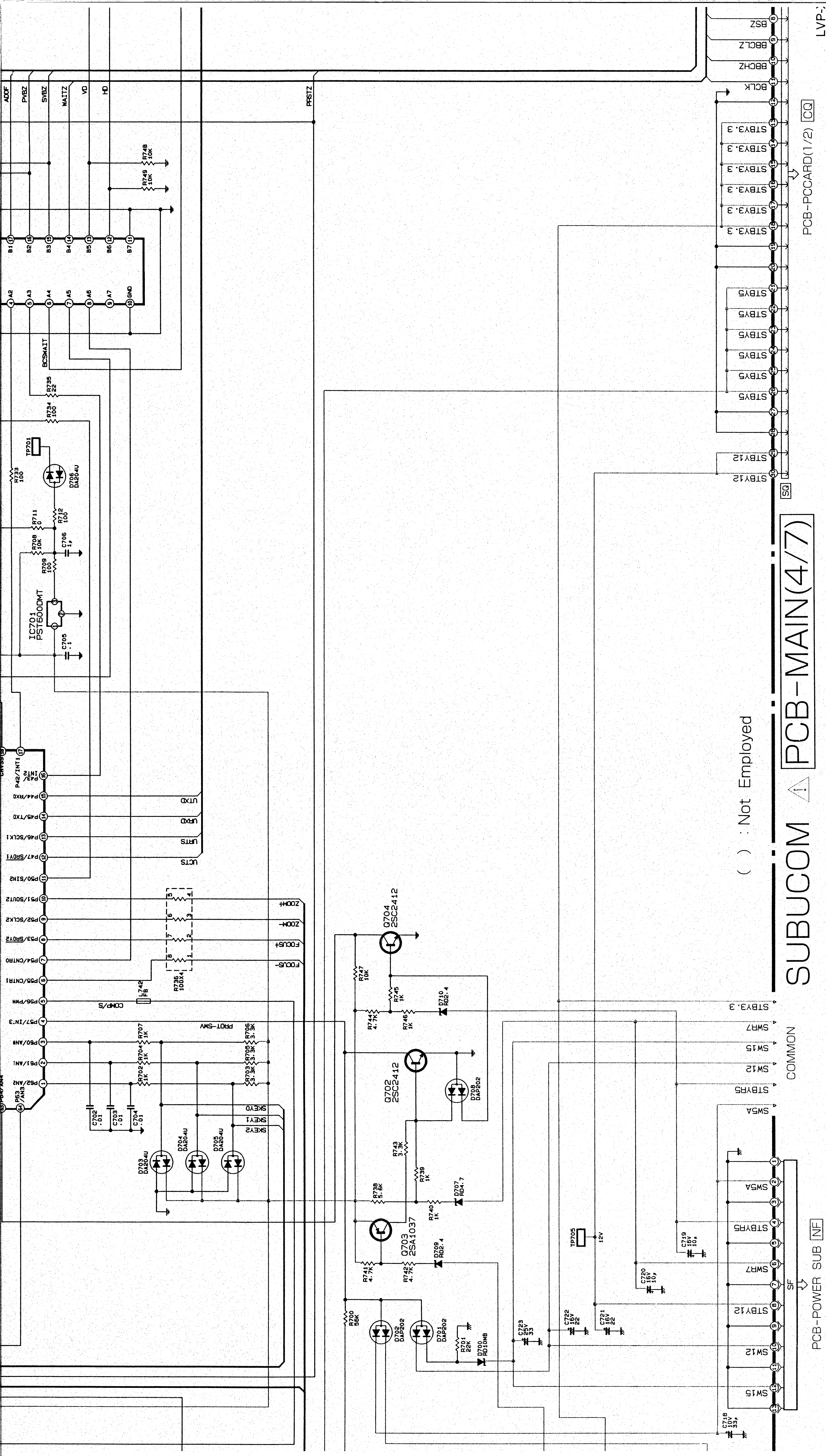

IC403
UPD82085GL-002-NMU
ASIC2
IC404
HD74LVC245T
5V→3.3V
R481 10X4
R480 10X4
R492 10X4
R491 10X4
R490 10X4
R479 10
R478 10
R470 10
R435 10KX4
R436 10KX4
R437 10KX4
R438 10KX4
R463 10X4
R464 10X4
R465 10X4
R466 10X4
R468 47
R469 47
R453 100X4
C466 .1
C465 .1
C464 .1
C451 .1
L451 FB
TPVSY
TPHSY
RDA[0..8]
RCK
VSY
HSY
SW1
SW0
BIAOG
BD[0..15]
BA[1..20]
BCONT
SCONT
SW3.3
STBY3.3
DRIVE1 PCB-MAIN(6/7)
DRIVE1,2 PCB-MAIN(6/7)(7/7)
DRIVE1 PCB-MAIN(6/7)
DRIVE2 PCB-MAIN(7/7)
SUBUCOM PCB-MAIN(4/7)
WAITZ
BSZ
BCS3Z
BCS2Z
BBENZ
BR/WZ
BBCLZ
BBCHZ
BA1
BA2
BA3
BA4
BA5
SVSZ
SHSZ
BIAS
B-POL
STBYZ
INITZ
PRSTZ
RES
BRI
HBCLK
SVBZ
RSTZ
CG00
CG01
CG02
CG03
BDA0
BDA1
BDA2
BDA3
BDA4
BDA5
RDA0
RDA1
RDA2
RDA3
RDA4
RDA5
RDA6
RDA7
RDA8
BA6
BA7
BA8
BA9
BA10
BA11
BA12
BA13
BA14
BA15OUT
BA16
BA17
BA18
BA19
BA20
BD0
BD1
BD2
BD3
BD4
BD5
BD6
BD7
BD8
BD9
BD10
BD11
BD12
BD13
BD14
BD15
DRB05
DRB04
DRB03
DRB02
DRB01
DRB00
GND
VDD
DRRCLK
DRR08
DRR07
DRR06
DRR05
DRR04
DRR03
DRR02
DRR01
DRR00
DRCLKZ
BIAO
P-ON
DOF
VCC
OE
T/R
A0
A1
A2
A3
A4
A5
A6
A7
B0
B1
B2
B3
B4
B5
B6
B7

ASIC2 ⚠ PCB-MAIN(3/7)


A
B
C
D
E
PCB-FBOX WP
POWER LAMP UNIT CN
PCB-LBOX EN
SP
SN
SA
FBX
LBX
LSENSE
LAMPON
AD
PCB-MAIN(1/7)
CVS
ISDA
YCS2
YCS1
ISCL
L744 FB
L743 FB
R719 220
Q701 2SA1037
L748 FB
R750 5.1K
R729 4.7K
R730 4.7K
L700 FB
R728 10K
R727 10K
R718 4.7K
R717 4.7K
SDA
SCL
R737 100X4
ALC
PRSTZ
YCS2
YCS1
R731 100X4
L733 FB
PROT-STBY
C700 10V 10μ
C701 .1
L732 100
L731 100
L737 FB
C710 .1
LEDLAMP
ENDLMP
LEDTMP
R722 390
R723 390
R724 390
R751 100
R726 390
R725 390
IC705 74AC14SJ
VDD
VSS
LOCK
R716 4.7K
R715 4.7K
P63/AN3
P64/AN4
P65/AN5
P66/AN6
P67/AN7
AVSS
VREF
VCC
P30/DA1
P31/DA2
P32/DWW
P33/RESETOUT
P34/FAI
P35/SYNC
P36/WR
P37/RD
P00/AD0
P01/AD1
P02/AD2
P03/AD3
P04/AD4
P05/AD5
P06/AD6
P07/AD7
P10/AD8
P11/AD9
P12/AD10
P13/AD11
P14/AD12
P15/AD13
P16/AD14
P17/AD15
P62/AN2
P61/AN1
P60/AN0
P57/IN3
P56/PWM
P55/CNTR1
P54/CNTR0
P53/SRDY2
P52/SCLK2
P51/SOUT2
P50/SIN2
P47/SRDY1
P46/SCLK1
P45/TXD
P44/RXD
P43/INT2
P42/INT1
CNVSS
RESET
P41/INT0
P40/INT4
XIN
XOUT
VSS
P27/DB7
P26/DB6
P25/DB5
P24/DB4
P23/DB3
P22/DB2
P21/DB1
P20/DB0
IC700 M38022
L722 100
L721 100
L720 FB
L719 FB
L718 FB
L717 FB
L716 FB
L715 FB
L714 FB
L713 FB
L712 FB
L711 FB
L710 FB
L709 FB
ISDA
ISCL
FAN-ON
FANSTOP
SCK
SDI
ALC
SLD3
SLD2
SLD1
SLD0
ACLK
ADI
RES
PML2
PML1
R720 390
R721 390
IC704 74AC14SJ
VDD
VSS
C711 .1
L738 FB
L749
BLM11A601S
SKEY0
KEY0
LC702
SKEY1
KEY1
LC701
SKEY2
KEY2
LC700
L747 FB
L750 FB
P-ON
L751
P-OFF
L752
TEMP
L753
LAMP
L754
LAMPEND
L755
PCLEDO


SUBUCOM
( ) : Not Employ
P40/INT4
P41/INT0
RESET
CNVSS
P42/INT1
P43/INT2
P44/RXD
P45/TXD
P46/SCLK1
P47/SRDY1
P50/SIN2
P51/SOUT2
P52/SCLK2
P53/SRDY2
P54/CNTR0
P55/CNTR1
P56/PWM
P57/IN3
P60/AN0
P61/AN1
P62/AN2
P63/AN3
P64/AN4
P65/AN5
P66/AN6
P67/AN7
UTXD
URXD
URTS
UCTS
ZOOM+
ZOOM-
FOCUS+
FOCUS-
R736 100X4
L742 FB
COMP/S
PROT-SWY
R707 1K
R704 1K
R702 1K
R706 3.3K
R705 3.3K
R703 3.3K
C702 .01
C703 .01
C704 .01
SKEY0
SKEY1
SKEY2
D703 DA204U
D704 DA204U
D705 DA204U
PROT-STBY
L733 FB
Q704 2SC2412
R747 10K
R745 1K
R744 4.7K
R746 1K
D710 RD2.4
Q702 2SC2412
D708 DAP202
R743 3.3K
R739 1K
R738 5.6K
D707 RD4.7
R740 1K
Q703 2SA1037
R741 4.7K
R742 4.7K
D709 RD2.4
R700 56K
D702 DAP202
D701 DAP202
R701 22K
D700 RD10MB
TP705 12V
C723 35V 33
C722 16V 22
C721 16V 22
C720 16V 10μ
C719 16V 10μ
C718 10V 33μ
STBY3.3
SWR7
SW15
SW12
STBYR5
SW5A
COMMON
SW5A
STBYR5
SWR7
STBY12
SW12
SW15
SF
PCB-POWER SUB NF
C713 6.3V 22
C716 6.3V 22μ
C715 6.3V 22μ
SW5D
STBY5
SW3.3
SW9
AUDIO-G
COMMON
Q705 DTC124EK
R750 5.1K
R752 100
C717 10V 33μ
L748 FB
L743 FB
L744 FB
TP706 5V
LBX
FBX
SW5D
POWER-ON
DGND
FANSTOP
DGND
ZOOM-
ZOOM+
FOCUS-
FOCUS+
DGND
STBY5
SW3.3
SW3.3
STBY3.3
FAN-ON
SW9
AUDIO-G
S
SN
SP
SE
SV
SD
XS
PCB-LBOX EN
POWER
PCB-FBOX WP
PCB-POWER SUB NE
PCB-MOTOR MV
PCB-POWER SUB ND
E
F
G
H
I
J


4
5
6
7
8
9
10
11
AD
PCB-MAIN(1/7)
TO SHIELDING EARTH
SCREW HOLE
MEMBRANE SW ST
ST
DRIVE1
PCB-MAIN(6/7)
AD
PCB-MAIN(1/7)
PREAMP UNIT RM
SM
PREAMP UNIT RM
SL
PCB-
LOCK
KEY0
KEY1
KEY2
P-ON
P-OFF
TEMP
LAMP
LAMPEND
PCLED0
PCLED1
ADDAC
DRIVE
S5V2
RSI2
S5V1
RSI1
SVBZ
PVBZ
SONG
PML2
PML1
L749
BLM11A601S
SKEY0
SKEY1
SKEY2
LC700
LC701
LC702
L747 FB
L750
L751
L752
L753
L754
L755
L756
L740 FB
L746 FB
L741 FB
L745 FB
L737 FB
C710 .1
R751 100
R726 390
R725 390
IC705
74AC14SJ
IC704
74AC14SJ
VDD
VSS
R722 390
R723 390
R724 390
R720 390
R721 390
LEDLAMP
ENDLMP
LEDTMP
PML2
PML1
L738 FB
C711 .1
L739 FB
C712 .1
RTXD
REMOTXD
RSI2
RSI1
RS2
RS1
IC707
HD74HC4053FP
Y
X
X1
X0
A
B
C
Y1
Y0
Z1
Z
Z0
EA
STXD
SLD3
SLD2
RES
ISDA
ISCL
FAN-ON
FANSTOP
SCK
SDI
ALC
SLD1
SLD0
ACLK
ADI
RES
BRI
RES
ALC
PRSTZ
YCS2
YCS1
R737 100X4
R731 100X4
R715 4.7K
R716 4.7K
L722 100
L721 100
L720 FB
L719 FB
L718 FB
L717 FB
L716 FB
L715 FB
L714 FB
L713 FB
L712 FB
L711 FB
L710 FB
L709 FB
IC700
M38022
P00/AD0
P01/AD1
P02/AD2
P03/AD3
P04/AD4
P05/AD5
P06/AD6
P07/AD7
P10/AD8
P11/AD9
P12/AD10
P13/AD11
P14/AD12
P15/AD13
P16/AD14
P17/AD15
P37/RD
P36/WR
P35/SYNC
P34/FAI
P33/RESETOUT
P32/ONW
P31/DA2
P30/DA1
VCC
VREF
AVSS
P67/AN7
P66/AN6
P65/AN5
P64/AN4
P63/AN3
P62/AN2
P61/AN1
P60/AN0
P57/INT3
P56/PWM
P55/CNTR1
P54/CNTR0
P53/SRDY2
P52/SCLK2
P51/SOUT2
P50/SIN2
P47/SRDY1
P46/SCLK1
P45/TXD
P44/RXD
P43/INT2
P20/DB0
P21/DB1
P22/DB2
P23/DB3
P24/DB4
P25/DB5
P26/DB6
P27/DB7
VSS
XOUT
XIN
P40/INT4
P41/INT0
RESET
CNVSS
P42/INT1
R718 4.7K
R717 4.7K
SCL
SDA
L731 100
L732 100
L700 FB
C700 16V 10μ
C701 .1
R728 10K
R727 10K
L733 FB
PROT-STBY
DSE3
DSE2
DSE1
ACK
ADO
ACS
ESDA
ESCL
UNLOCK
L708 FB
L707 FB
L706 FB
L705 FB
L704 FB
L703 FB
L702 100
L701 100
R714 4.7K
R713 4.7K
IC706
LM75CIMX-5
SDA
SCL
O.S.
GND
+VS
A0
A1
A2
C708 .1
L735 FB
IC702
24LC65T-I*SM
SDA
SCL
WC
VCC
VSS
E2
E1
E0
L734 FB
L736 FB
C707 .1
IC701
PST600DMT
C705
C706
R709 100
R708 10K
R711 0
R712 100
R733 100
TP701
R732 100
R734 100
R735 22
BCSWAIT
IC703
74ACT245MTC
T/R
A0
A1
A2
A3
A4
VCC
OE
B0
B1
B2
B3
C709 .1
HBCLK
ADOF
PVBZ
SVBZ
WAITZ

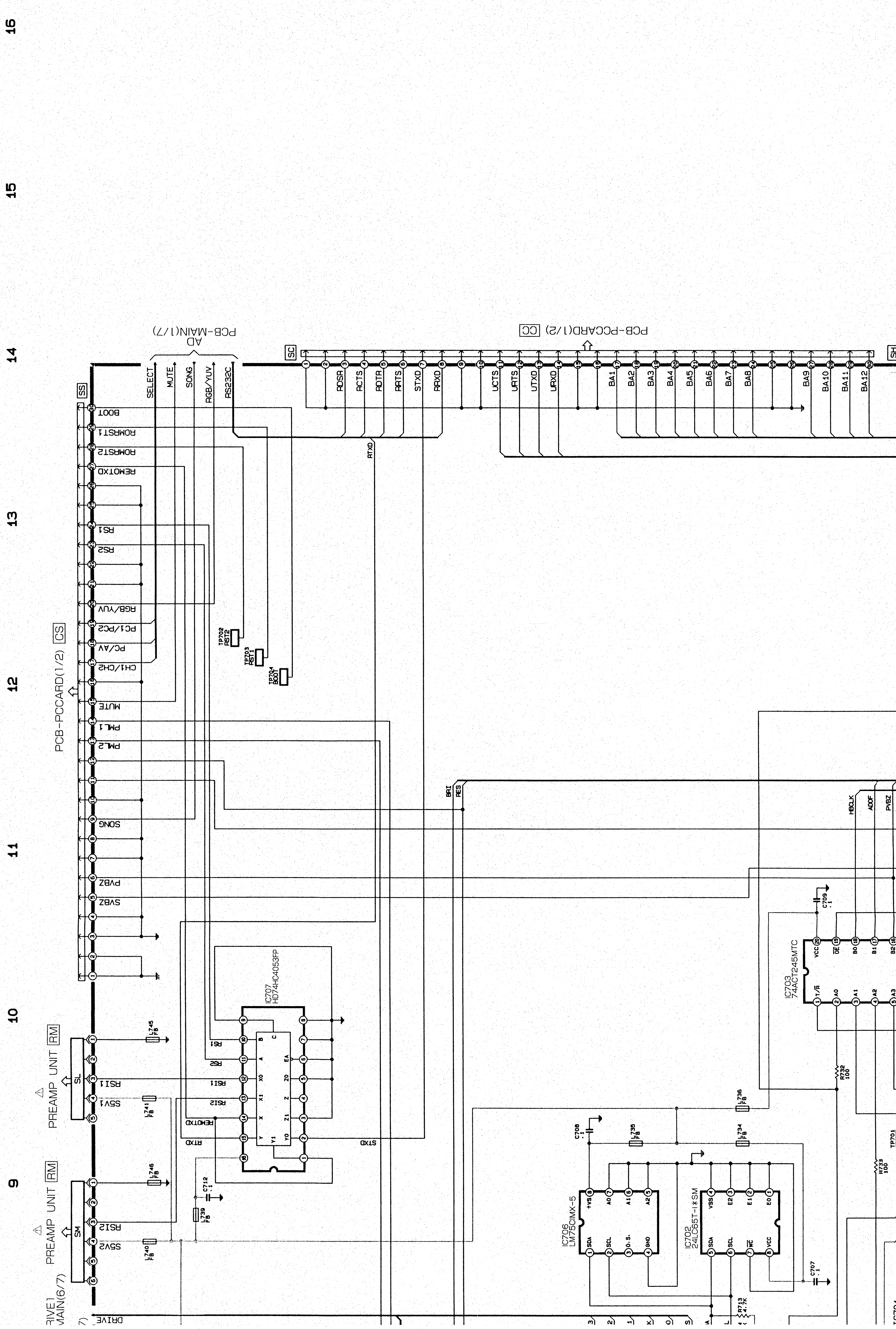

IC701
PST600DMT
TP701
TP705
D706 DA204U
D703 DA204U
D704 DA204U
D705 DA204U
Q704 2SC2412
Q702 2SC2412
Q703 2SA1037
D708 DAP202
D702 DAP202
D701 DAP202
D710 RD2.4
D707 RD4.7
D709 RD2.4
D700 RD10MB
R736 100X4
L742 FB
ADOF
PVBZ
SVBZ
WAITZ
VD
HD
PRSTZ
BCSWAIT
UTXD
URXD
URTS
UCTS
ZOOM+
ZOOM-
FOCUS+
FOCUS-
COMP/S
PROT-SWV
SKEY0
SKEY1
SKEY2
BSZ
BBCLZ
BBCHZ
BCLK
STBY3.3
STBY5
STBY12
SWR7
SW15
SW12
STBYR5
SW5A
COMMON
12V
PCB-PCCARD(1/2)
CQ
SQ
PCB-POWER SUB
NF
SF

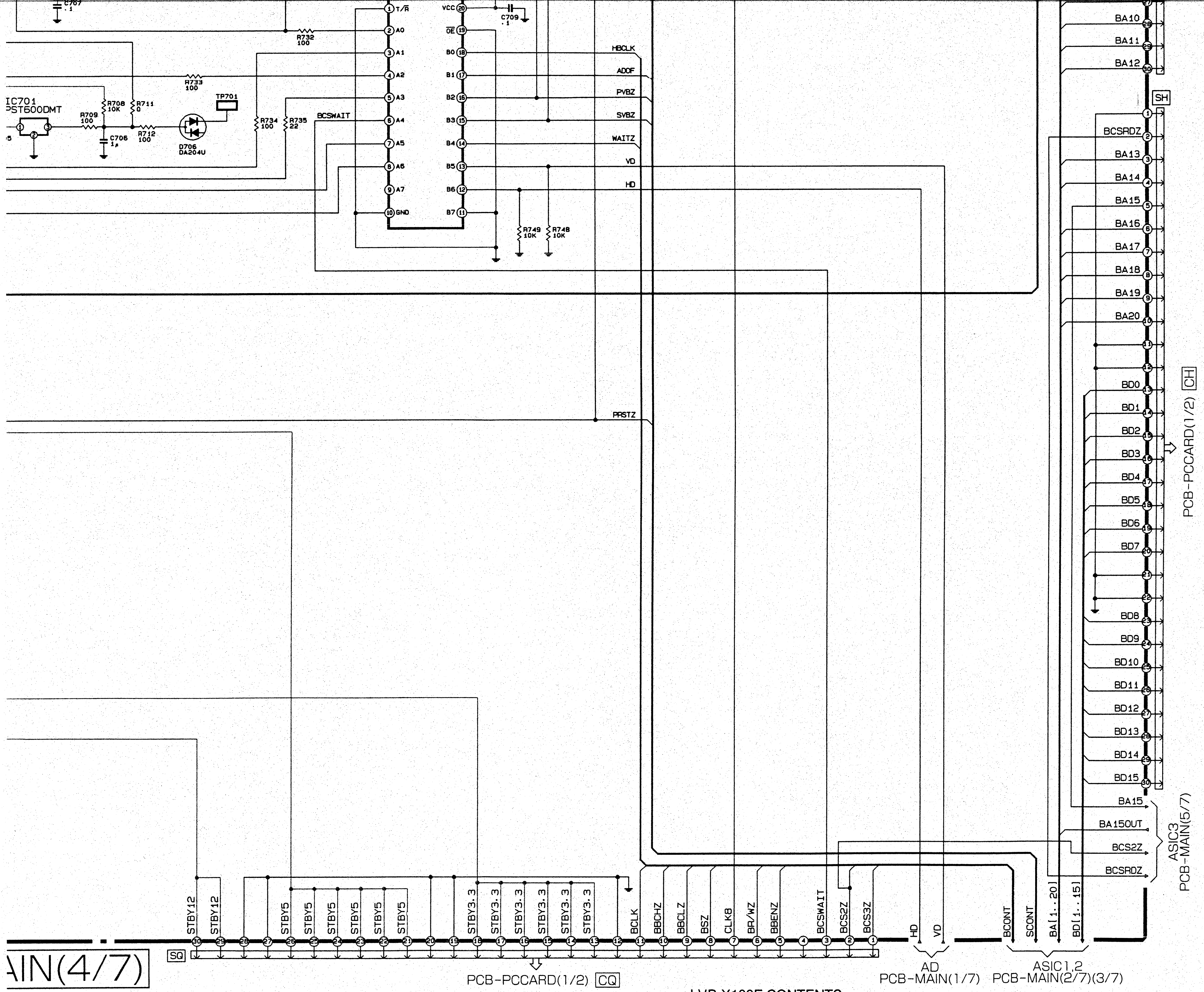
( ) : Not Employed

SUBUCOM ⚠ PCB-MAIN(4/7)

LVP-

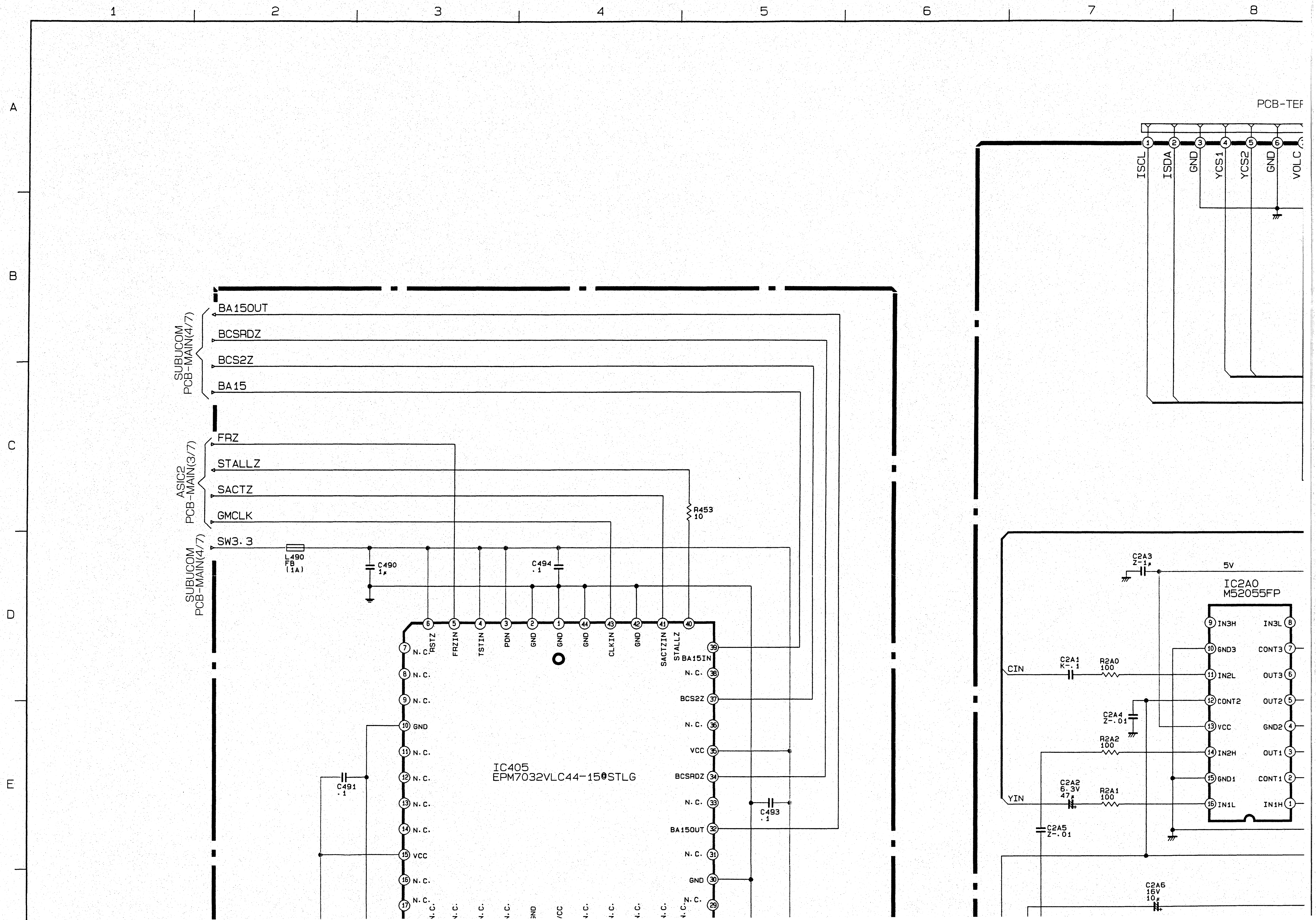
- BLOCK DIAGRAM
- TERMINAL
- POWER,POWER SUB
- MOTOR,INLET,COIL
- FILTER,PFC
- POWER SUB2,POWER SUB3
- FBOX,LBOX
- AD-MAIN(1/7)
- ASIC1-MAIN(2/7)

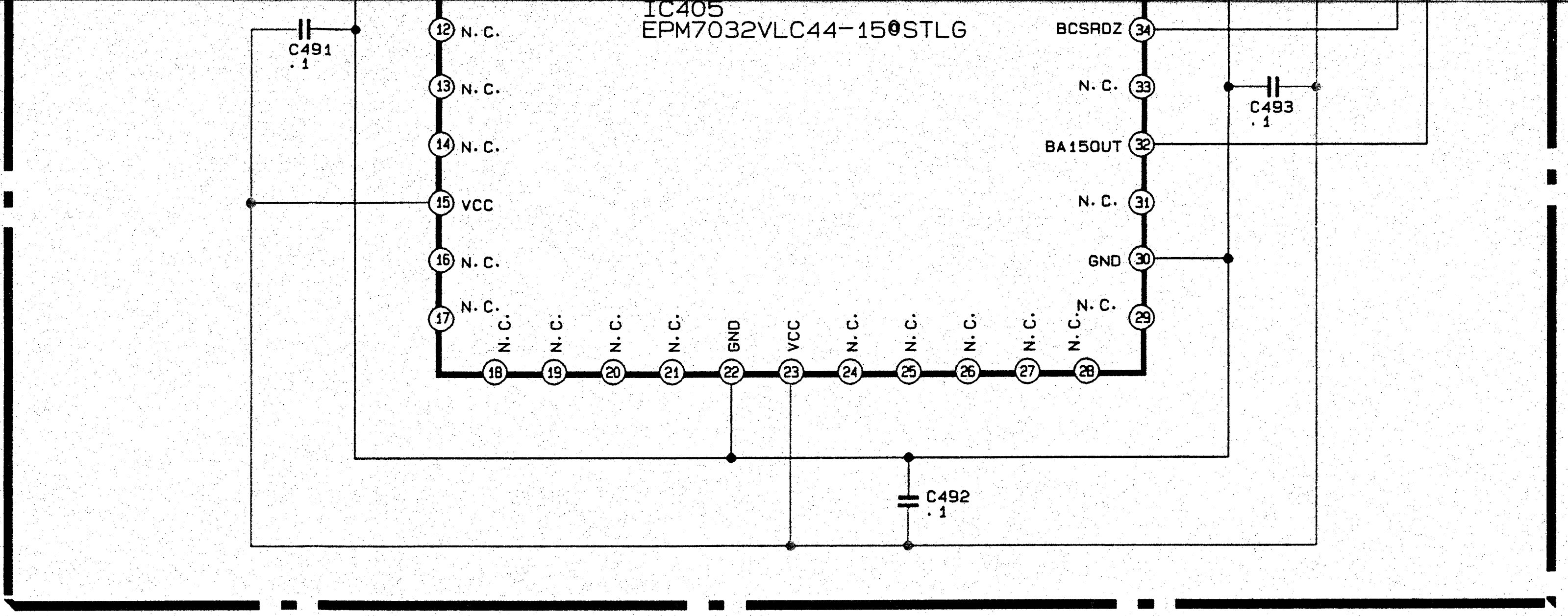

9
10
11
12
13
14
15
16
PCB-PCCARD(1/2) CC
PCB-MAIN(1/7) AD
PCB-PCCARD(1/2) CS
SC
SS
SH
SELECT
MUTE
SONG
RGB/YUV
RS232C
BOOT
ROMRST1
ROMRST2
REMOTXD
RS1
RS2
PC1/PC2
PC/AV
CH1/CH2
PML1
PML2
PVBZ
SVBZ
RDSR
RCTS
RDTR
RRTS
STXD
RRXD
UCTS
URTS
UTXD
URXD
BA1
BA2
BA3
BA4
BA5
BA6
BA7
BA8
BA9
BA10
BA11
BA12
RTXD
TP702 RST2
TP703 RST1
TP704 BOOT
BRI
RES
HBCLK
ADOF
PVBZ
C709 .1
IC703 74ACT245MTC
IC707 HD74HC4053FP
PREAMP UNIT RM
SL
SM
RSI1
RSI2
SSV1
SSV2
L745 FB
L741 FB
L740 FB
L739 FB
C712 .1
C708 .1
C707 .1
L735 FB
L736 FB
L734 FB
R732 100
R733 100
R713 4.7K
TP701
IC706 LM75CIMX-5
IC702 24LC65T-I*SM
SDA
SCL
O.S.
GND
+VS
A0
A1
A2
VSS
E2
E1
E0
WC
VCC
OE
T/R
DRIVE
MAIN(6/7)


IC701
PST600DMT
R709 100
R708 10K
R711 0
C706 1μ
R712 100
D706 DA204U
TP701
R733 100
R732 100
R734 100
R735 22
BCSWAIT
C707 .1
T/R̄
A0
A1
A2
A3
A4
A5
A6
A7
GND
VCC
OE
B0
B1
B2
B3
B4
B5
B6
B7
C709 .1
R749 10K
R748 10K
HBCLK
ADOF
PVBZ
SVBZ
WAITZ
VD
HD
PRSTZ
BA10
BA11
BA12
SH
BCSRDZ
BA13
BA14
BA15
BA16
BA17
BA18
BA19
BA20
BD0
BD1
BD2
BD3
BD4
BD5
BD6
BD7
BD8
BD9
BD10
BD11
BD12
BD13
BD14
BD15
PCB-PCCARD(1/2) CH
BA15
BA15OUT
BCS2Z
BCSRDZ
ASIC3
PCB-MAIN(5/7)
STBY12
STBY12
STBY5
STBY5
STBY5
STBY5
STBY5
STBY5
STBY3.3
STBY3.3
STBY3.3
STBY3.3
STBY3.3
STBY3.3
BCLK
BBCHZ
BBCLZ
BSZ
CLK8
BR/WZ
BBENZ
BCSWAIT
BCS2Z
BCS3Z
HD
VD
BCONT
SCONT
BA[1..20]
BD[1..15]
SQ
PCB-PCCARD(1/2) CQ
AD
PCB-MAIN(1/7)
ASIC1,2
PCB-MAIN(2/7)(3/7)
AIN(4/7)

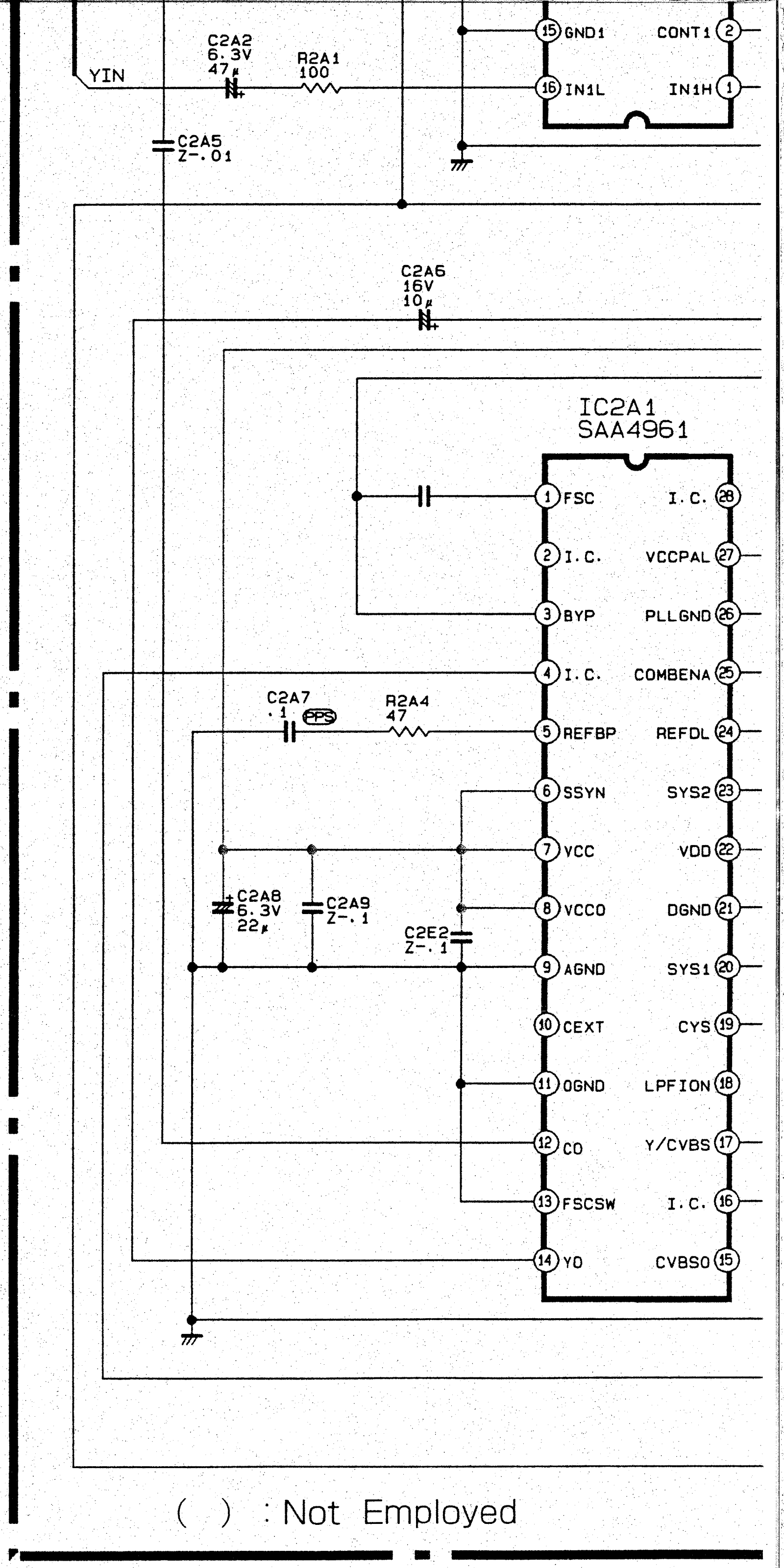
LVP-X100E CONTENTS

BLOCK DIAGRAM	①	ASIC2-MAIN(3/7)	⑥
TERMINAL	②	SUBUCOM-MAIN(4/7)	⑦
POWER、POWER SUB	③	ASIC3-MAIN(5/7)	⑧
MOTOR、INLET、COIL	③	DECODER	⑧
FILTER、PFC	③	DRIVE1-MAIN(6/7)	⑨
POWER SUB2、POWER SUB3	③	DRIVE2-MAIN(7/7)	⑩
FBOX、LBOX	③	PCCARD(1/2)	⑪
AD-MAIN(1/7)	④	PCCARD(2/2)	⑫
ASIC1-MAIN(2/7)	⑤		

1
2
3
4
5
6
7
8
A
B
C
D
E
PCB-TEF
ISCL
ISDA
GND
YCS1
YCS2
GND
VOLC
SUBUCOM
PCB-MAIN(4/7)
BA15OUT
BCSRDZ
BCS2Z
BA15
ASIC2
PCB-MAIN(3/7)
FRZ
STALLZ
SACTZ
GMCLK
SUBUCOM
PCB-MAIN(4/7)
SW3.3
L490
FB
(1A)
C490
1μ
C494
.1
R453
10
C491
.1
C493
.1
IC405
EPM7032VLC44-150STLG
RSTZ
FRZIN
TSTIN
PDN
GND
GND
GND
CLKIN
GND
SACTZIN
STALLZ
BA15IN
N.C.
BCS2Z
N.C.
VCC
BCSRDZ
N.C.
BA15OUT
N.C.
GND
N.C.
N.C.
N.C.
N.C.
GND
N.C.
N.C.
N.C.
N.C.
VCC
N.C.
N.C.
5V
C2A3
Z-1μ
IC2A0
M52055FP
IN3H
GND3
IN2L
CONT2
VCC
IN2H
GND1
IN1L
IN3L
CONT3
OUT3
OUT2
GND2
OUT1
CONT1
IN1H
CIN
YIN
C2A1
K-.1
R2A0
100
C2A4
Z-.01
R2A2
100
C2A2
6.3V
47μ
R2A1
100
C2A5
Z-.01
C2A6
16V
10μ


IC405
EPM7032VLC44-15@STLG
C491
.1
⑫ N.C.
⑬ N.C.
⑭ N.C.
⑮ VCC
⑯ N.C.
⑰ N.C.
⑱ N.C.
⑲ N.C.
⑳ N.C.
㉑ N.C.
㉒ GND
㉓ VCC
㉔ N.C.
㉕ N.C.
㉖ N.C.
㉗ N.C.
㉘ N.C.
㉙ N.C.
㉚ GND
㉛ N.C.
㉜ BA15OUT
㉝ N.C.
㉞ BCSRDZ
C493
.1
C492
.1

ASIC3 ⚠ PCB-MAIN(5/7)

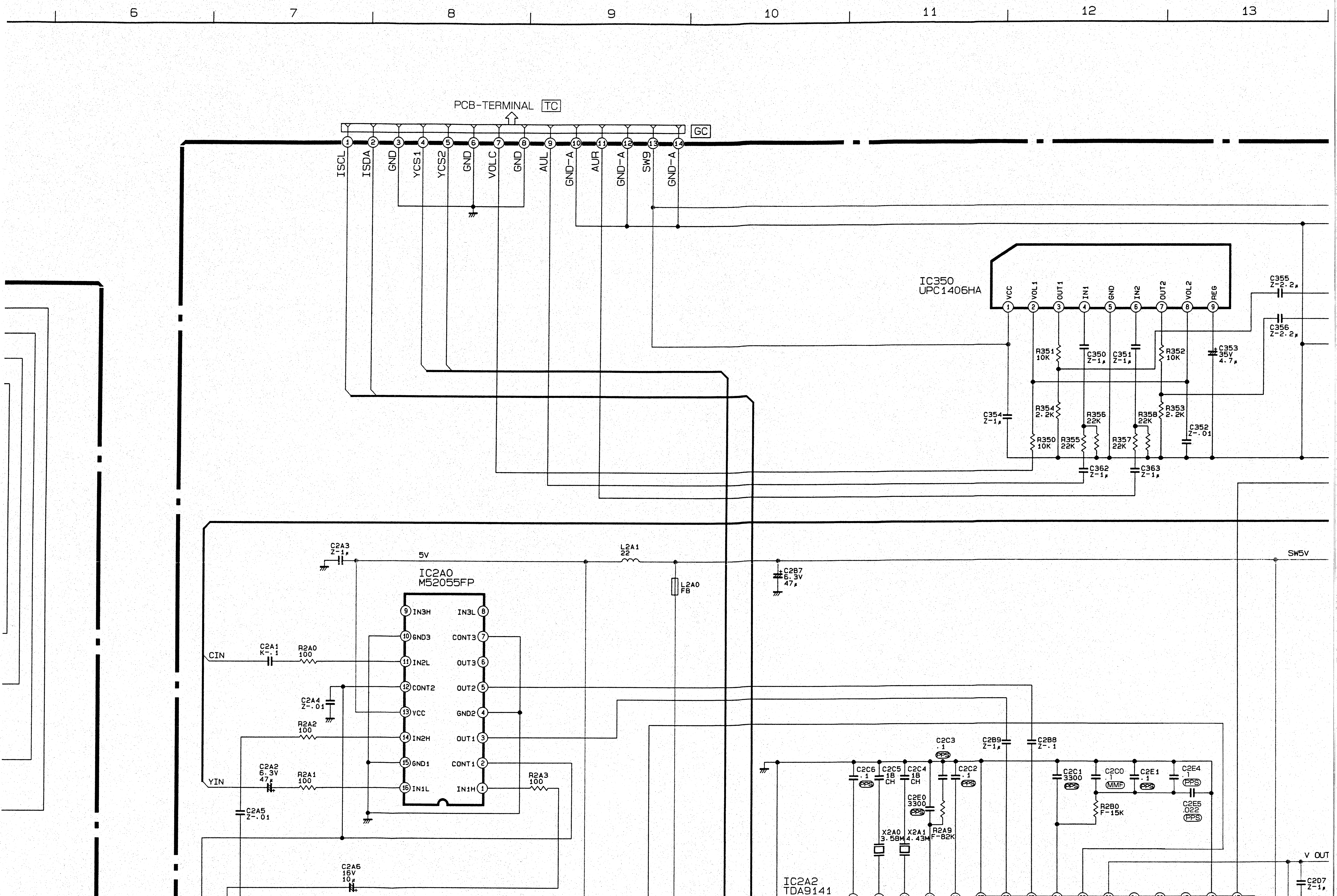

YIN
C2A2
6.3V
47μ
R2A1
100
C2A5
Z-.01
⑮ GND1
⑯ IN1L
CONT1 ②
IN1H ①
C2A6
16V
10μ
IC2A1
SAA4961
① FSC
② I.C.
③ BYP
④ I.C.
⑤ REFBP
⑥ SSYN
⑦ VCC
⑧ VCCO
⑨ AGND
⑩ CEXT
⑪ OGND
⑫ CO
⑬ FSCSW
⑭ YO
I.C. ㉘
VCCPAL ㉗
PLLGND ㉖
COMBENA ㉕
REFDL ㉔
SYS2 ㉓
VDD ㉒
DGND ㉑
SYS1 ⑳
CYS ⑲
LPFION ⑱
Y/CVBS ⑰
I.C. ⑯
CVBSO ⑮
C2A7
.1
PPS
R2A4
47
C2A8
6.3V
22μ
C2A9
Z-.1
C2E2
Z-.1

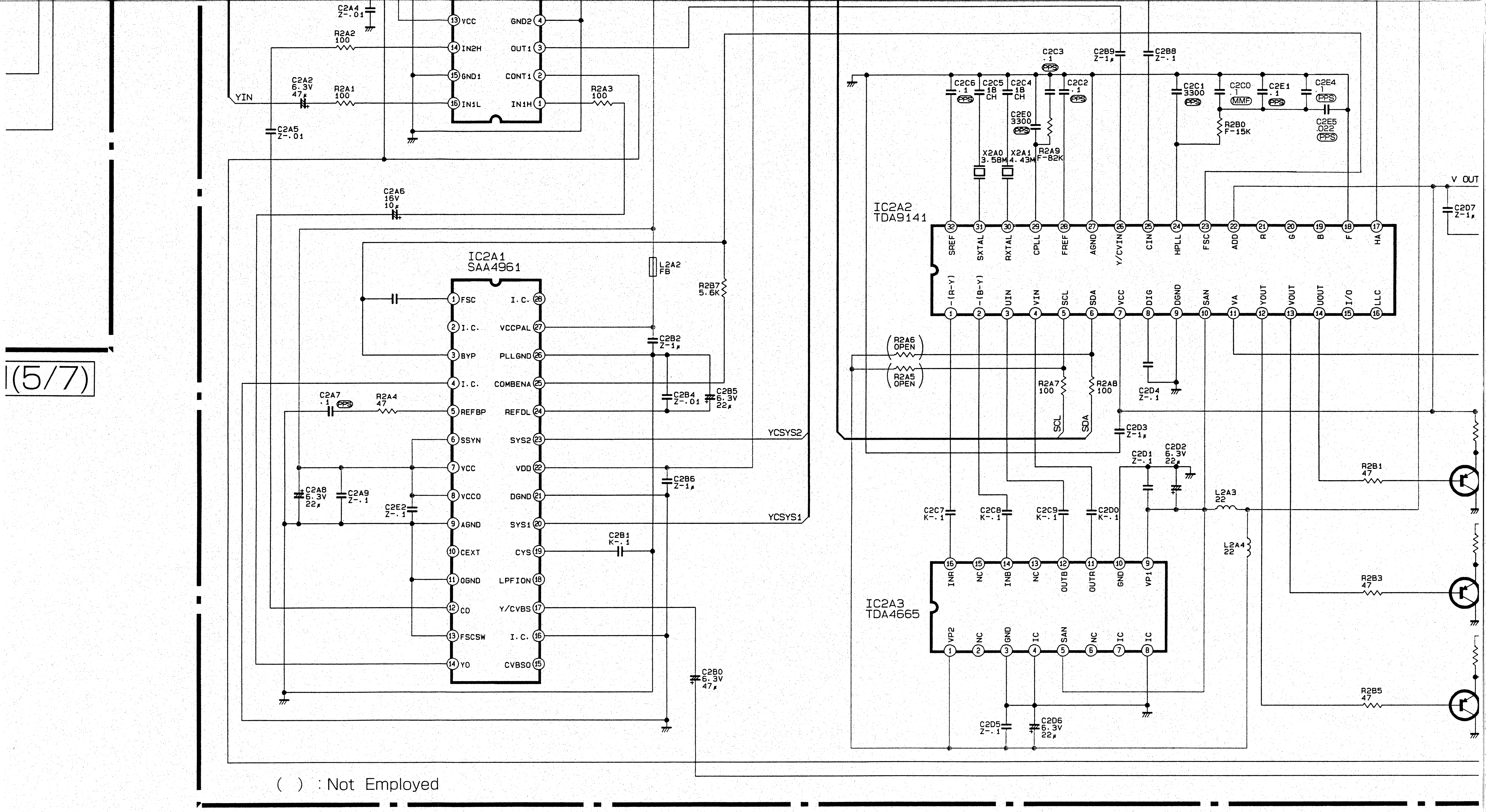
( ) : Not Employed

LVP-X100E CONTENTS

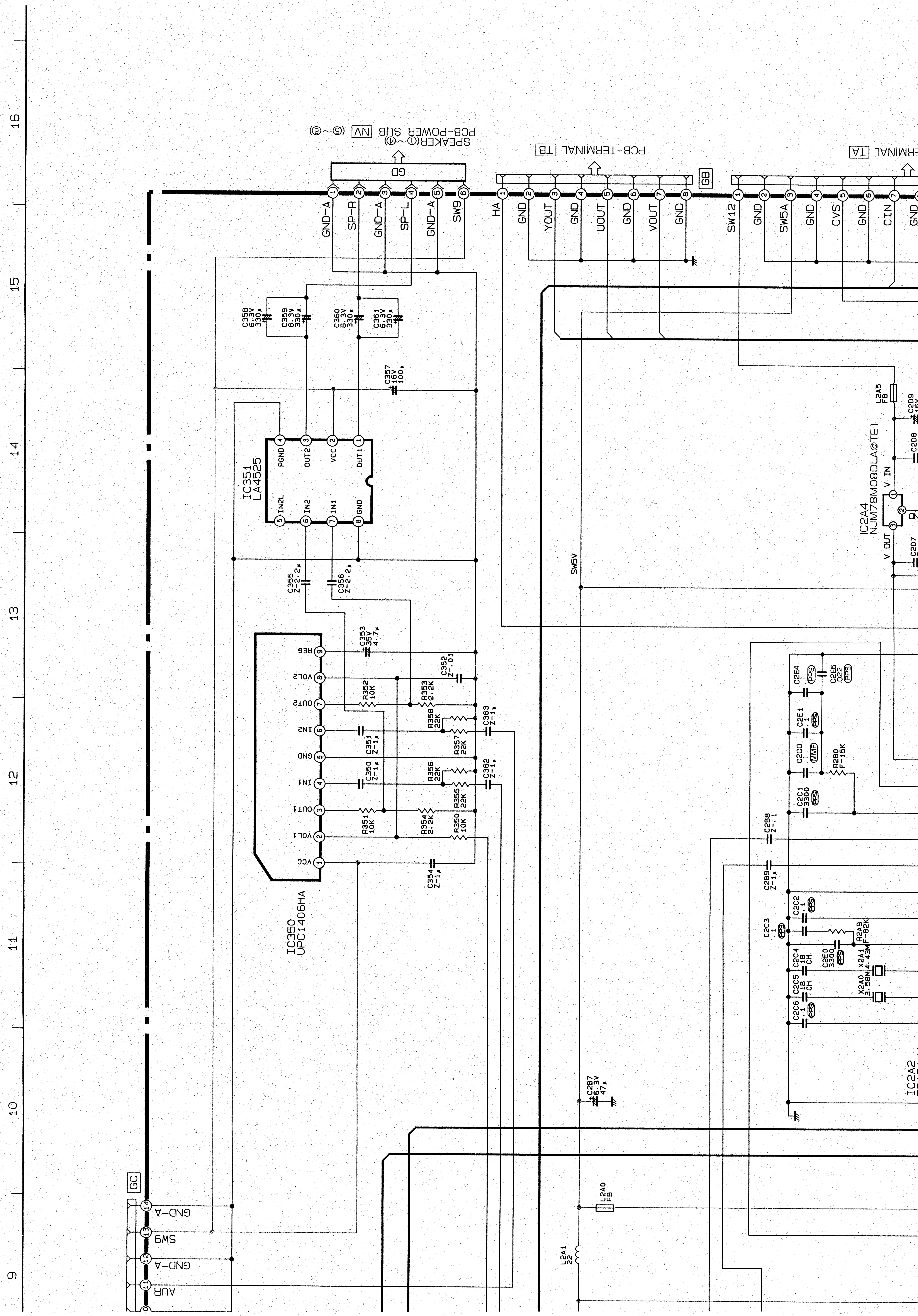
BLOCK DIAGRAM	······	①	ASIC2-MAIN(3/7)	······	⑥
TERMINAL	······	②	SUBUCOM-MAIN(4/7)	······	⑦
POWER、POWER SUB	······	③	ASIC3-MAIN(5/7)	······	⑧
MOTOR、INLET、COIL	······	③	DECODER	······	⑧
FILTER、PFC	······	③	DRIVE1-MAIN(6/7)	······	⑨
POWER SUB2、POWER SUB3	······	③	DRIVE2-MAIN(7/7)	······	⑩
FBOX、LBOX	······	③	PCCARD(1/2)	······	⑪
AD-MAIN(1/7)	······	④	PCCARD(2/2)	······	⑫
ASIC1-MAIN(2/7)	······	⑤			

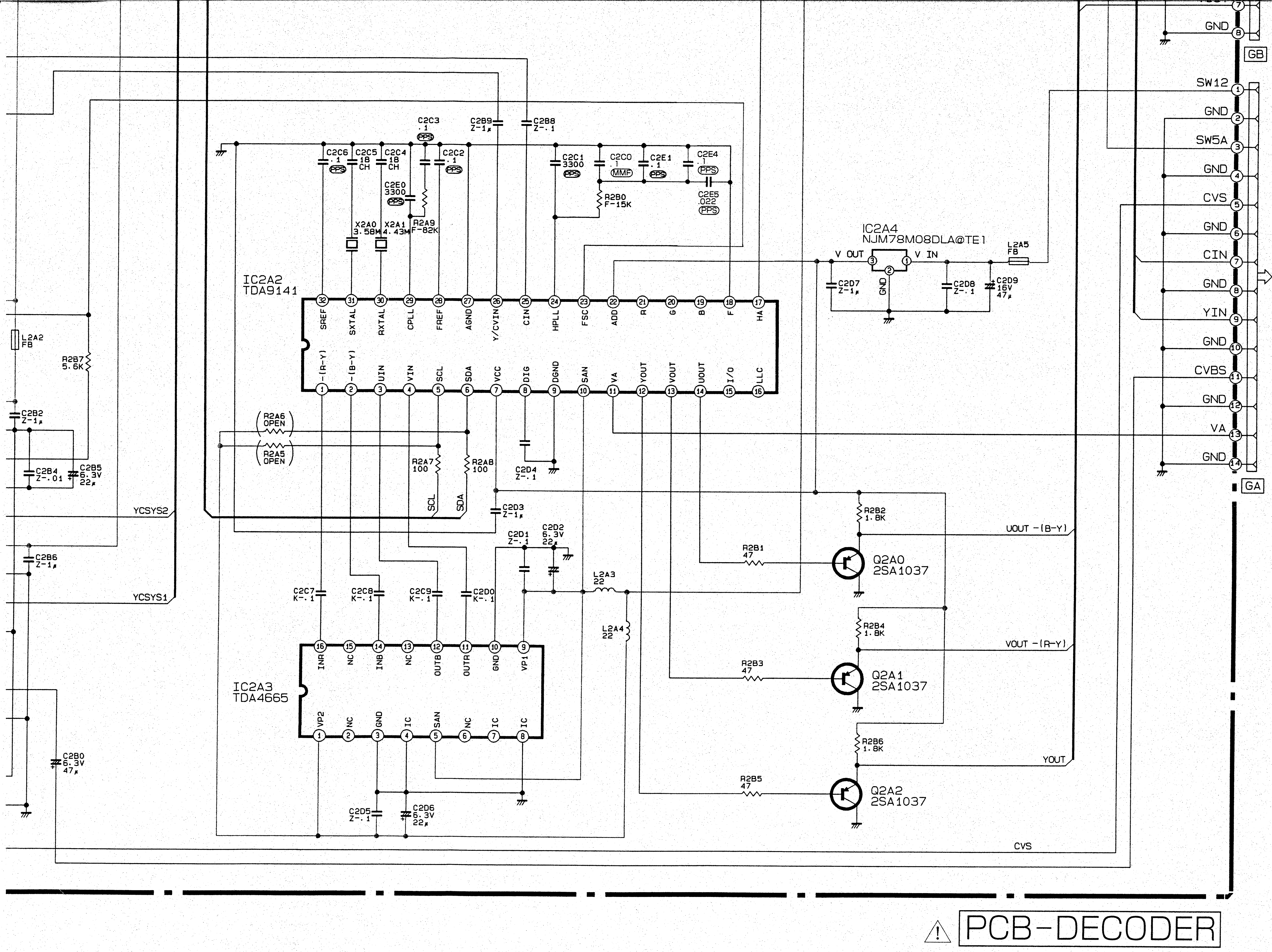
E
F
G
H
I
J

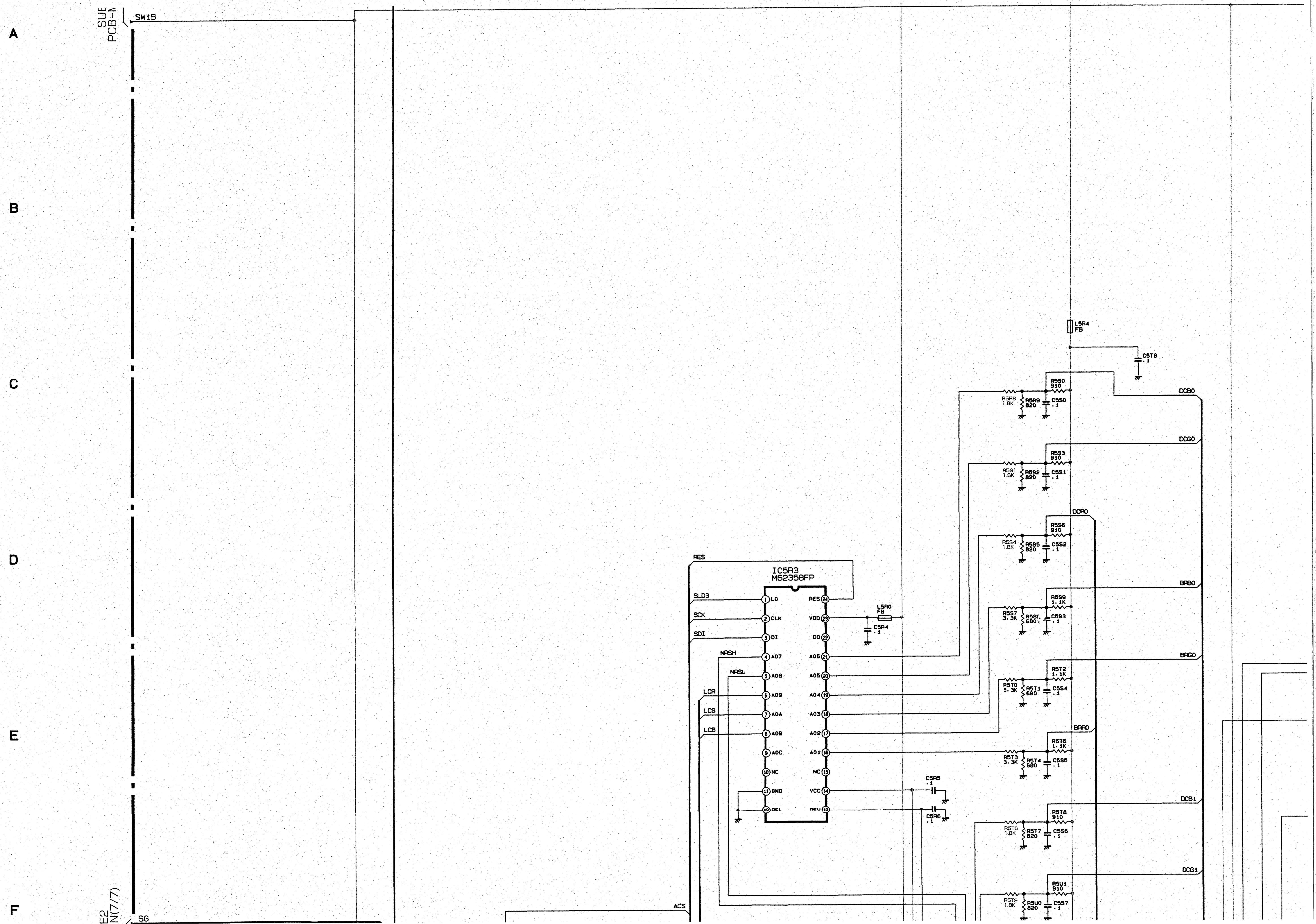

6
7
8
9
10
11
12
13
PCB-TERMINAL
TC
GC
ISCL
ISDA
GND
YCS1
YCS2
GND
VOLC
GND
AUL
GND-A
AUR
GND-A
SW9
GND-A
IC350
UPC1406HA
VCC
VOL1
OUT1
IN1
GND
IN2
OUT2
VOL2
REG
C355 Z-2.2μ
C356 Z-2.2μ
C353 35V 4.7μ
R351 10K
C350 Z-1μ
C351 Z-1μ
R352 10K
C354 Z-1μ
R354 2.2K
R356 22K
R358 22K
R353 2.2K
C352 Z-.01
R350 10K
R355 22K
R357 22K
C362 Z-1μ
C363 Z-1μ
C2A3 Z-1μ
5V
L2A1 22
L2A0 FB
C2B7 6.3V 47μ
SW5V
IC2A0
M52055FP
IN3H
GND3
IN2L
CONT2
VCC
IN2H
GND1
IN1L
IN3L
CONT3
OUT3
OUT2
GND2
OUT1
CONT1
IN1H
CIN
C2A1 K-.1
R2A0 100
C2A4 Z-.01
R2A2 100
YIN
C2A2 6.3V 47μ
R2A1 100
R2A3 100
C2A5 Z-.01
C2A6 16V 10μ
C2C3 .1 PPS
C2B9 Z-1μ
C2B8 Z-.1
C2C6 .1 PPS
C2C5 18 CH
C2C4 18 CH
C2C2 .1 PPS
C2C1 3300 PPS
C2C0 .1 MMF
C2E1 .1 PPS
C2E4 1 PPS
C2E5 .022 PPS
C2E0 3300 PPS
R2B0 F-15K
X2A0 3.58M
X2A1 4.43M
R2A9 F-82K
IC2A2
TDA9141
V OUT
C2D7 Z-1μ

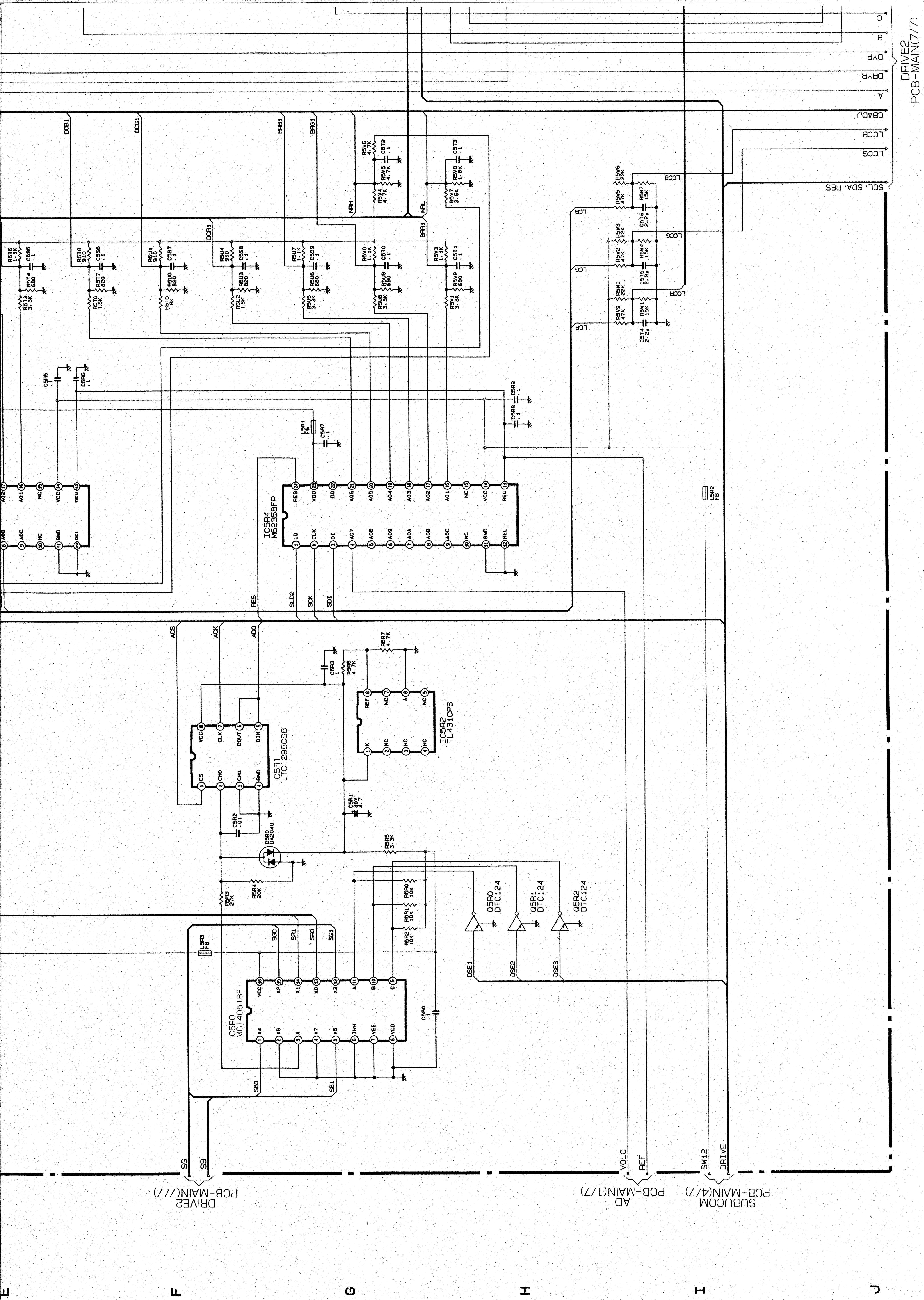

IC2A1
SAA4961
FSC
I.C.
BYP
REFBP
SSYN
VCC
VCCO
AGND
CEXT
OGND
CO
FSCSW
YO
VCCPAL
PLLGND
COMBENA
REFDL
SYS2
VDD
DGND
SYS1
CYS
LPFION
Y/CVBS
CVBSO
IC2A2
TDA9141
SREF
SXTAL
RXTAL
CPLL
FREF
AGND
Y/CVIN
CIN
HPLL
FSC
ADD
R
G
B
F
HA
-(R-Y)
-(B-Y)
UIN
VIN
SCL
SDA
VCC
DIG
DGND
SAN
VA
YOUT
VOUT
UOUT
I/O
LLC
IC2A3
TDA4665
INR
NC
INB
OUTB
OUTR
GND
VP1
VP2
IC
SAN
VCC
IN2H
GND1
IN1L
GND2
OUT1
CONT1
IN1H
YIN
YCSYS2
YCSYS1
V OUT
SCL
SDA
C2A4 Z-.01
R2A2 100
C2A2 6.3V 47μ
R2A1 100
C2A5 Z-.01
R2A3 100
C2A6 16V 10μ
L2A2 FB
R2B7 5.6K
C2B2 Z-1μ
C2B4 Z-.01
C2B5 6.3V 22μ
C2A7 .1 PPS
R2A4 47
C2A8 6.3V 22μ
C2A9 Z-.1
C2E2 Z-.1
C2B6 Z-1μ
C2B1 K-.1
C2B0 6.3V 47μ
C2C3 .1 PPS
C2B9 Z-1μ
C2B8 Z-.1
C2C6 .1 PPS
C2C5 18 CH
C2C4 18 CH
C2C2 .1 PPS
C2E0 3300 PPS
X2A0 3.58M
X2A1 4.43M
R2A9 F-82K
C2C1 3300 PPS
C2C0 .1 MMF
C2E1 .1 PPS
C2E4 .1 PPS
C2E5 .022 PPS
R2B0 F-15K
C2D7 Z-1μ
R2A6 OPEN
R2A5 OPEN
R2A7 100
R2A8 100
C2D4 Z-.1
C2D3 Z-1μ
C2D1 Z-.1
C2D2 6.3V 22μ
L2A3 22
L2A4 22
C2C7 K-.1
C2C8 K-.1
C2C9 K-.1
C2D0 K-.1
C2D5 Z-.1
C2D6 6.3V 22μ
R2B1 47
R2B3 47
R2B5 47

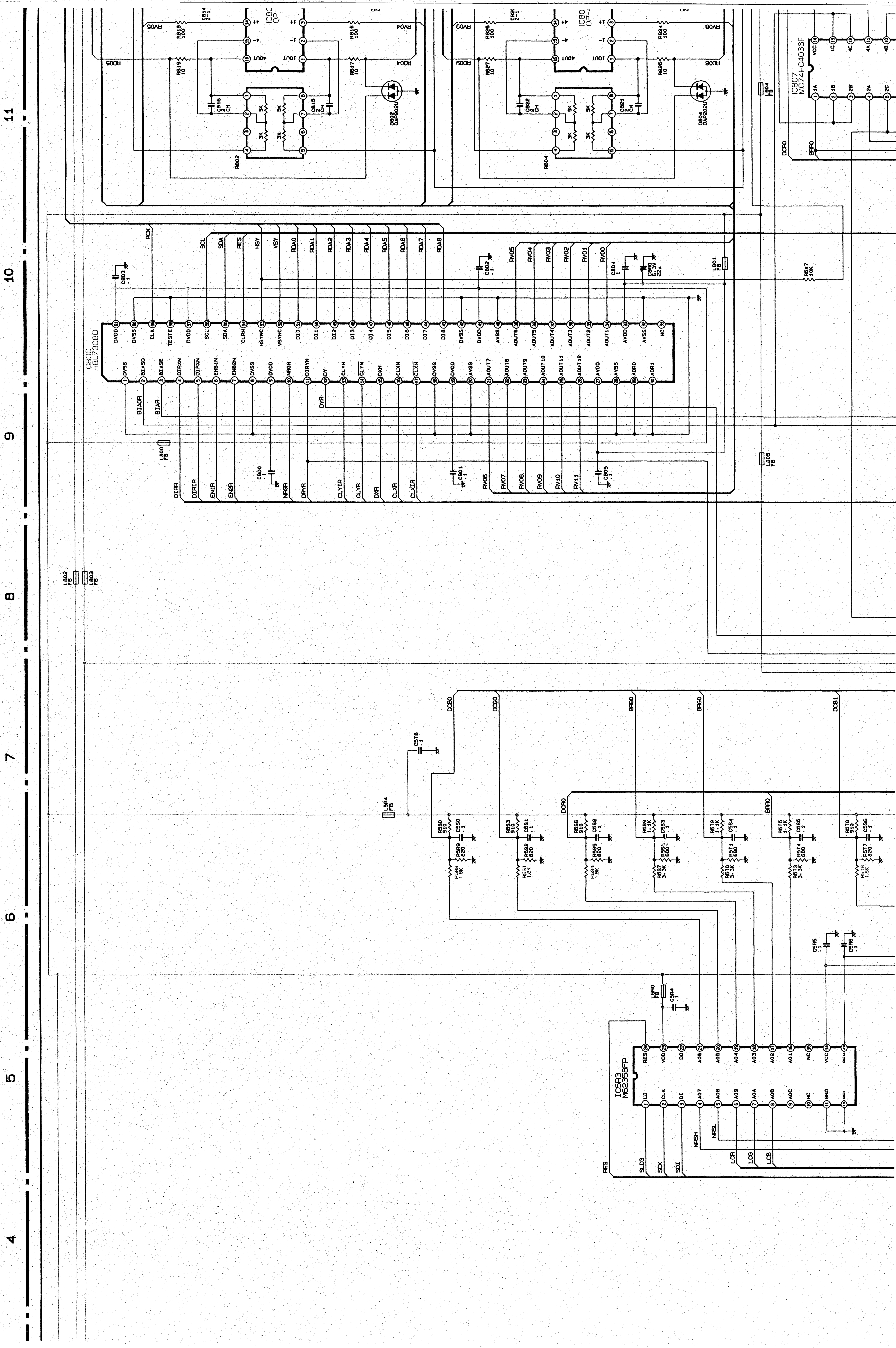
( ) : Not Employed

16
15
14
13
12
11
10
9
PCB-POWER SUB NV (⑤~⑥)
SPEAKER(①~④)
GD
GND-A
SP-R
GND-A
SP-L
GND-A
SW9
PCB-TERMINAL TB
GB
HA
GND
YOUT
GND
UOUT
GND
VOUT
GND
ERMINAL TA
SW12
GND
SW5A
GND
CVS
GND
CIN
GND
C358 6.3V 330μ
C359 6.3V 330μ
C360 6.3V 330μ
C361 6.3V 330μ
C357 16V 100μ
IC351 LA4525
PGND
OUT2
VCC
OUT1
IN2L
IN2
IN1
GND
C355 Z-2.2μ
C356 Z-2.2μ
SW5V
IC350 UPC1406HA
REG
VOL2
OUT2
IN2
GND
IN1
OUT1
VOL1
VCC
C353 35V 4.7μ
C352 Z-.01
R352 10K
R353 2.2K
R358 22K
C363 Z-1μ
C351 Z-1μ
R357 22K
C350 Z-1μ
R356 22K
C362 Z-1μ
R355 22K
R351 10K
R354 2.2K
R350 10K
C354 Z-1μ
L2A5 FB
C2D9 16V
C2D8
IC2A4 NJM78M08DLA@TE1
V IN
V OUT
C2D7
C2E4 .1 PPS
C2E5 .022 PPS
C2E1 .1 PPS
C2C0 .1 MMF
R2B0 F-15K
C2C1 3300 PPS
C2B8 Z-.1
C2B9 Z-1μ
C2C2 .1 PPS
C2C3 .1 PPS
R2A9 F-82K
C2C4 18 CH
C2E0 3300 PPS
X2A1 4.43M
C2C5 18 CH
X2A0 3.58M
C2C6 .1 PPS
IC2A2
C2B7 6.3V 47μ
GC
GND-A
SW9
GND-A
AUR
L2A0 FB
L2A1 22


PCB-DECODER
PCB-TERMINAL TA
GB
GA
GND 8
SW12 1
GND 2
SW5A 3
GND 4
CVS 5
GND 6
CIN 7
GND 8
YIN 9
GND 10
CVBS 11
GND 12
VA 13
GND 14
IC2A2
TDA9141
SREF
SXTAL
RXTAL
CPLL
FREF
AGND
Y/CVIN
CIN
HPLL
FSC
ADD
R
G
B
F
HA
-(R-Y)
-(B-Y)
UIN
VIN
SCL
SDA
VCC
DIG
DGND
SAN
VA
YOUT
VOUT
UOUT
I/O
LLC
IC2A3
TDA4665
INR
NC
INB
NC
OUTB
OUTR
GND
VP1
VP2
NC
GND
IC
SAN
NC
IC
IC
IC2A4
NJM78M08DLA@TE1
V OUT
V IN
GND
L2A5 FB
C2D7 Z-1μ
C2D8 Z-.1
C2D9 16V 47μ
C2C6 .1 PPS
C2C5 18 CH
C2C4 18 CH
C2C3 .1 PPS
C2C2 .1 PPS
C2E0 3300 PPS
X2A0 3.58M
X2A1 4.43M
R2A9 F-82K
C2B9 Z-1μ
C2B8 Z-.1
C2C1 3300 PPS
C2C0 .1 MMF
C2E1 .1 PPS
C2E4 .1 PPS
C2E5 .022 PPS
R2B0 F-15K
R2A6 OPEN
R2A5 OPEN
R2A7 100
R2A8 100
SCL
SDA
C2D4 Z-.1
C2D3 Z-1μ
C2D1 Z-.1
C2D2 6.3V 22μ
L2A3 22
L2A4 22
C2C7 K-.1
C2C8 K-.1
C2C9 K-.1
C2D0 K-.1
C2D5 Z-.1
C2D6 6.3V 22μ
R2B2 1.8K
R2B1 47
Q2A0 2SA1037
UOUT -(B-Y)
R2B4 1.8K
R2B3 47
Q2A1 2SA1037
VOUT -(R-Y)
R2B6 1.8K
R2B5 47
Q2A2 2SA1037
YOUT
CVS
L2A2 FB
R2B7 5.6K
C2B2 Z-1μ
C2B4 Z-.01
C2B5 6.3V 22μ
C2B6 Z-1μ
C2B0 6.3V 47μ
YCSYS2
YCSYS1


A
B
C
D
E
F
SUE
PCB-
SW15
E2
N(7/7)
SG
L5R4
FB
C5T8
.1
R5R8
1.8K
R5R9
820
R590
910
C550
.1
DCB0
R5S1
1.8K
R5S2
820
R5S3
910
C5S1
.1
DCG0
DCR0
R5S4
1.8K
R5S5
820
R5S6
910
C5S2
.1
BRB0
R5S7
3.3K
R5Sr.
680
R5S9
1.1K
C5S3
.1
BRG0
R5T0
3.3K
R5T1
680
R5T2
1.1K
C5S4
.1
BRR0
R5T3
3.3K
R5T4
680
R5T5
1.1K
C5S5
.1
DCB1
R5T6
1.8K
R5T7
820
R5T8
910
C5S6
.1
DCG1
R5T9
1.8K
R5U0
820
R5U1
910
C5S7
.1
IC5R3
M62358FP
RES
SLD3
SCK
SDI
NRSH
NRSL
LCR
LCG
LCB
ACS
1 LD
2 CLK
3 DI
4 A07
5 A08
6 A09
7 A0A
8 A0B
9 ADC
10 NC
11 GND
12 REL
RES 24
VDD 23
DO 22
A06 21
A05 20
A04 19
A03 18
A02 17
A01 16
NC 15
VCC 14
REU 13
L5R0
FB
C5R4
.1
C5R5
.1
C5R6
.1


DRIVE2
PCB-MAIN(7/7)
C
B
DYR
DRYR
A
CBADJ
LCCB
LCCG
SCL. SDA. RES
DCB1
DCG1
BRB1
BRG1
DCR1
BRR1
NRH
NRL
LCCR
LCB
LCG
LCR
IC5R4
M62358FP
RES
VDD
DO
AO6
AO5
AO4
AO3
AO2
AO1
NC
VCC
REU
LD
CLK
DI
AO7
AO8
AO9
AOA
AOB
AOC
GND
REL
SLD2
SCK
SDI
ACS
ACK
ADO
IC5R1
LTC1298CS8
CS
CHO
CH1
DOUT
DIN
IC5R2
TL431CPS
REF
K
D5R0
DA204U
Q5R0
DTC124
Q5R1
DTC124
Q5R2
DTC124
DSE1
DSE2
DSE3
IC5R0
MC14051BF
SG0
SR1
SR0
SG1
SB0
SB1
INH
VEE
L5R1
FB
L5R2
FB
L5R3
FB
C5R1
35V
4.7
R5R3
27K
R5R4
20K
R5R5
3.3K
R5R6
4.7K
R5R7
4.7K
SG
SB
DRIVE2
PCB-MAIN(7/7)
VOLC
REF
AD
PCB-MAIN(1/7)
SW12
DRIVE
SUBUCOM
PCB-MAIN(4/7)
E
F
G
H
I
J



11
10
9
8
7
6
5
4
IC800
H8L7308D
IC807
MC74HC4066F
IC5R3
M62358FP
D802
DAP202U
D804
DAP202U
L800
FB
L801
FB
L802
FB
L803
FB
L804
FB
L805
FB
L5R0
FB
L5R4
FB
R5K7
10K
DVSS
BIASO
BIASE
DIRXN
DIRXN
ENB1N
ENB2N
DVSS
DVDD
NRGN
DIRYN
DY
CLYN
CLYN
DXN
CLXN
CLXN
DVSS
DVDD
AVSS
AOUT7
AOUT8
AOUT9
AOUT10
AOUT11
AOUT12
AVDD
AVSS
ADR0
ADR1
DVDD
DVSS
CLK
TESTE
DVDD
SCL
SDA
CLRN
HSYNC
VSYNC
DI0
DI1
DI2
DI3
DI4
DI5
DI6
DI7
DI8
DVSS
DVDD
AVSS
AOUT6
AOUT5
AOUT4
AOUT3
AOUT2
AOUT1
AVDD
AVSS
NC
RCK
SCL
SDA
RES
HSY
VSY
RDA0
RDA1
RDA2
RDA3
RDA4
RDA5
RDA6
RDA7
RDA8
RV05
RV04
RV03
RV02
RV01
RV00
RV06
RV07
RV08
RV09
RV10
RV11
BIAOR
BIAR
DIRR
DIRIR
EN1R
EN2R
NRGR
DRYR
DYR
CLYIR
CLYR
DXR
CLXR
CLXIR
C800
C801
C802
C803
C804
C805
C806
6.3V
22μ
C814
C815
C816
C821
C822
R802
R804
R816
R817
R818
R819
R824
R825
R826
R827
5K
3K
1OUT
4OUT
DCR0
BRR0
DCB0
DCG0
BRB0
BRG0
DCB1
C5T8
R550
R549
R548
R553
R552
R551
R556
R555
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R559
R558
R557
R572
R571
R570
R575
R574
R573
R578
R577
R576
C550
C551
C552
C553
C554
C555
C556
C5R4
C5R5
C5R6
RES
VDD
DO
AO6
AO5
AO4
AO3
AO2
AO1
NC
VCC
LD
CLK
DI
AO7
AO8
AO9
AOA
AOB
AOC
NC
GND
SLD3
SCK
SDI
NRSH
NRSL
LCR
LCG
LCB
VCC
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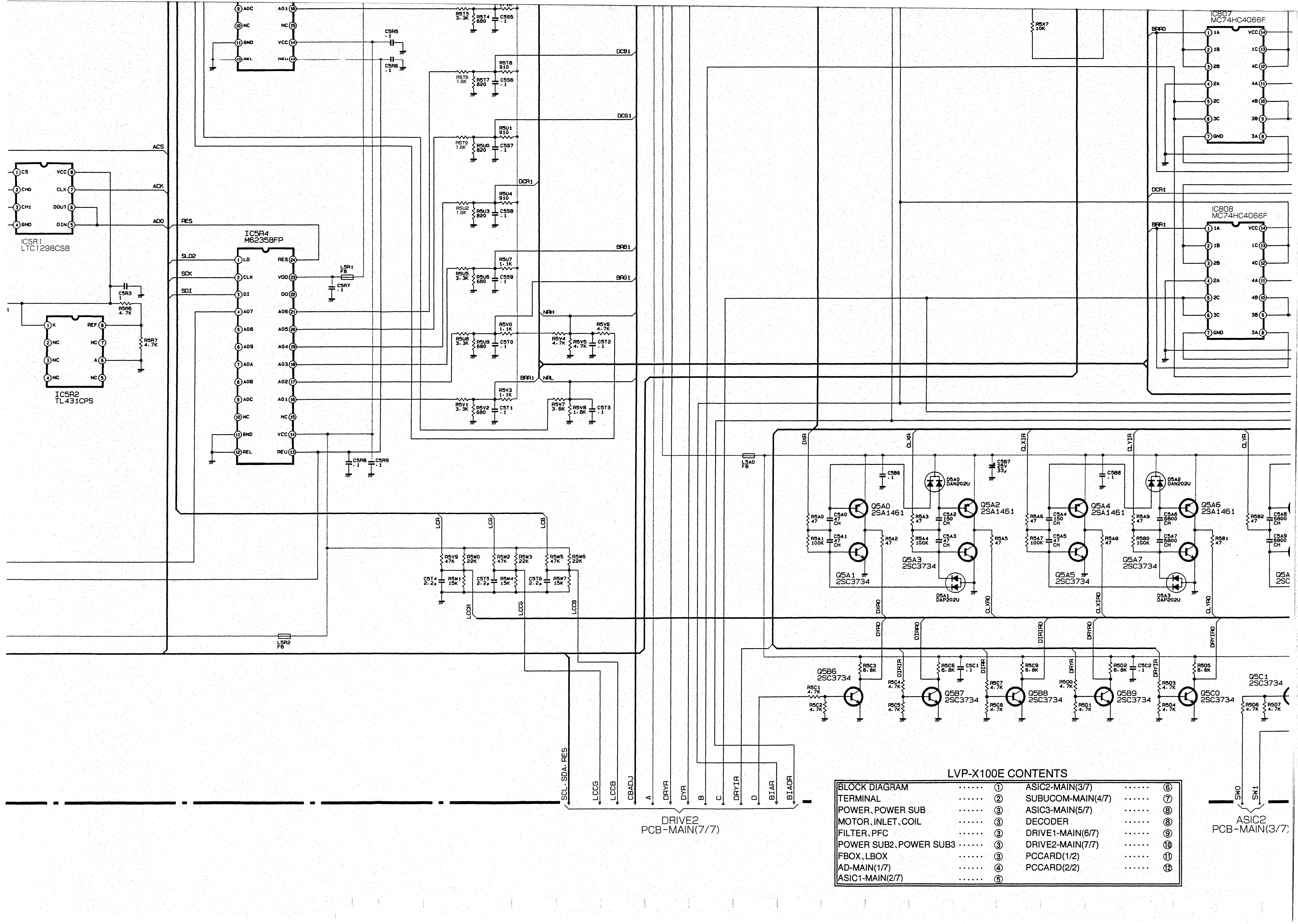
1B
2B
2A
2C
1C
4C
4A
4B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TL431CPS
IC5R4
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IC808
MC74HC4066F
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Q5A3 2SC3734
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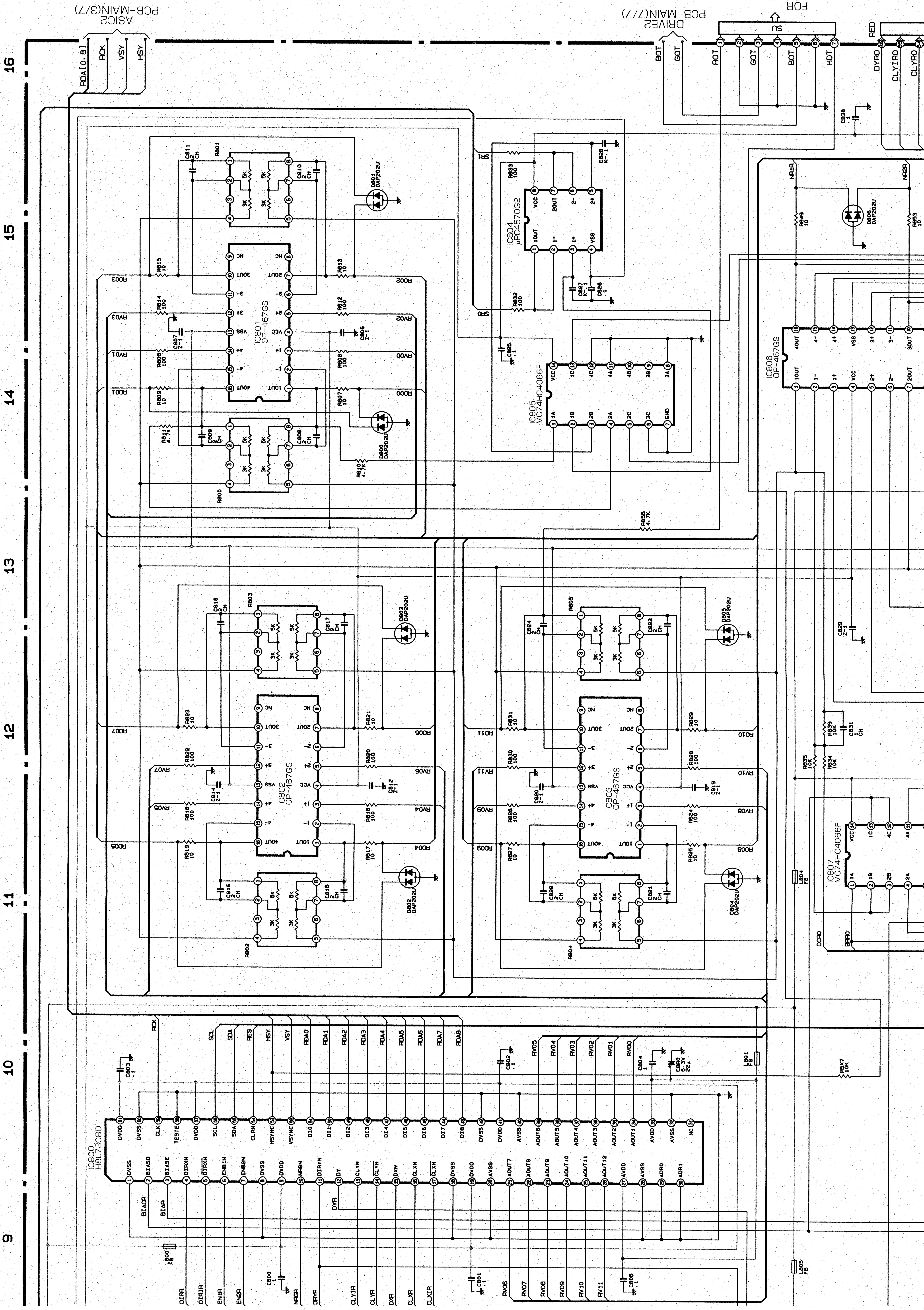
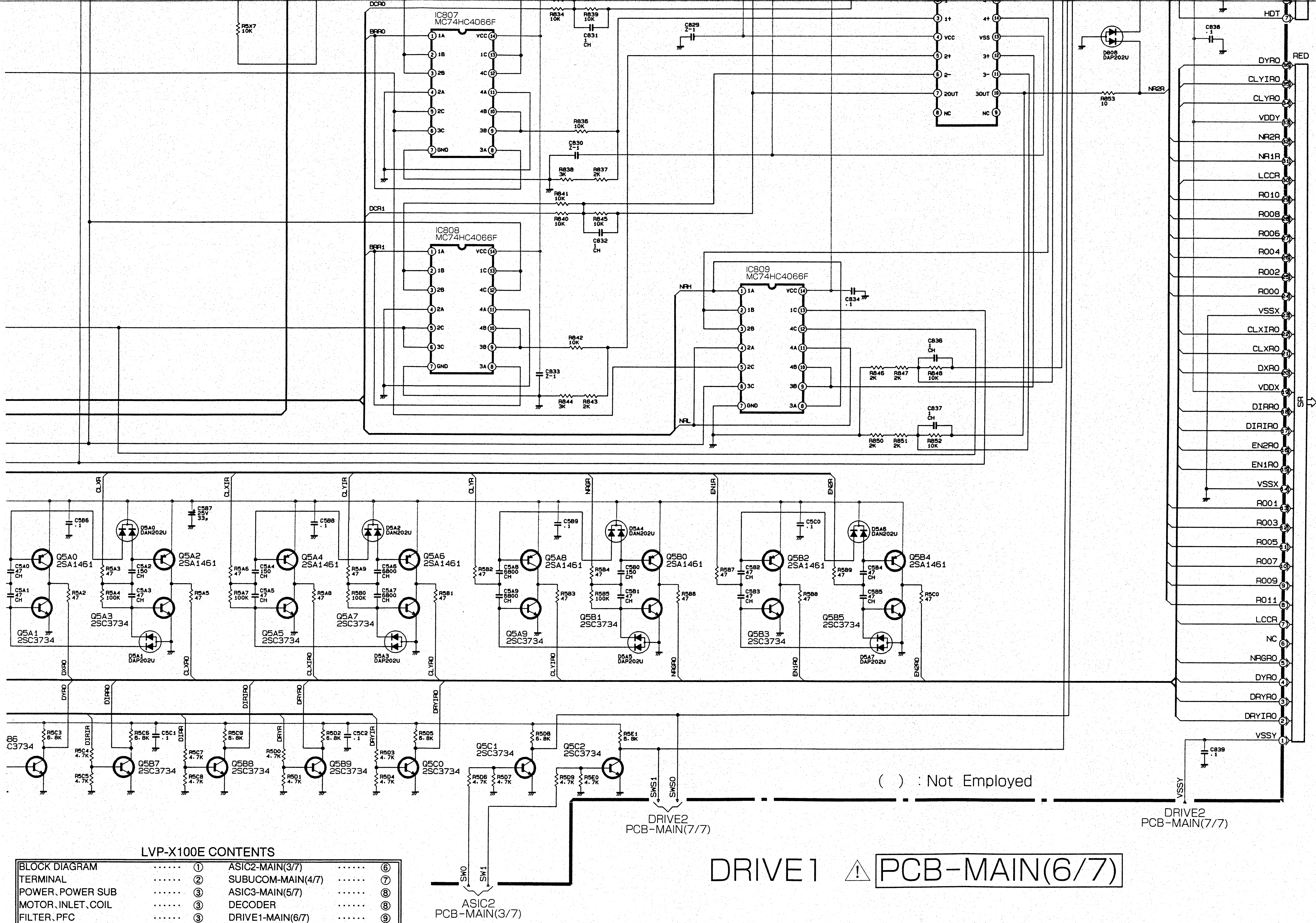
Q5A5 2SC3734
Q5A6 2SA1461
Q5A7 2SC3734
Q5B6 2SC3734
Q5B7 2SC3734
Q5B8 2SC3734
Q5B9 2SC3734
Q5C0 2SC3734
Q5C1 2SC3734
D5A0 DAN202U
D5A1 DAP202U
D5A2 DAN202U
D5A3 DAP202U
L5A0 FB
L5R1 FB
L5R2 FB
ACS
ACK
ADO
RES
SLD2
SCK
SDI
DCB1
DCG1
DCR1
BRB1
BRG1
BRR0
BRR1
NRH
NRL
LCR
LCG
LCB
LCCR
LCCG
LCCB
DXR
CLXR
CLXIR
CLYIR
CLYR
DXRO
CLXRO
CLXIRO
CLYRO
DYRO
DIRRO
DIRIRO
DYRIRO
DIRIR
DIRR
DYRR
DYRIR
SCL. SDA. RES
LCCG
LCCB
CBADJ
A
DRYR
DYR
B
C
DRYIR
D
BIAR
BIAOR
DRIVE2
PCB-MAIN(7/7)
SWO
SW1
ASIC2
PCB-MAIN(3/7)

LVP-X100E CONTENTS

BLOCK DIAGRAM ······	①	ASIC2-MAIN(3/7) ······	⑥
TERMINAL ······	②	SUBUCOM-MAIN(4/7) ······	⑦
POWER、POWER SUB ······	③	ASIC3-MAIN(5/7) ······	⑧
MOTOR、INLET、COIL ······	③	DECODER ······	⑧
FILTER、PFC ······	③	DRIVE1-MAIN(6/7) ······	⑨
POWER SUB2、POWER SUB3 ······	③	DRIVE2-MAIN(7/7) ······	⑩
FBOX、LBOX ······	③	PCCARD(1/2) ······	⑪
AD-MAIN(1/7) ······	④	PCCARD(2/2) ······	⑫
ASIC1-MAIN(2/7) ······	⑤		


16
15
14
13
12
11
10
9
ASIC2
PCB-MAIN(3/7)
DRIVE2
PCB-MAIN(7/7)
FOR
ADJUSTMENT
SU
RDA[0..8]
RCK
VSY
HSY
BOT
GOT
ROT
HOT
RED
DYRO
CLYIRO
CLYRO
IC801
OP-467GS
IC802
OP-467GS
IC803
OP-467GS
IC804
μPC4570G2
IC805
MC74HC4066F
IC806
OP-467GS
IC807
MC74HC4066F
IC800
H8L7308D
D800 DAP202U
D801 DAP202U
D802 DAP202U
D803 DAP202U
D804 DAP202U
D805 DAP202U
D806 DAP202U
RO00
RO01
RO02
RO03
RO04
RO05
RO06
RO07
RO08
RO09
RO10
RO11
RV00
RV01
RV02
RV03
RV04
RV05
RV06
RV07
RV08
RV09
RV10
RV11
SRO
SRI
NR1R
NR2R
DCRO
BBRO
BIAOR
BIAR
DYR
DIRR
DIRIR
EN1R
EN2R
NAGR
DRYR
CLYIR
CLYR
DXR
CLXR
CLXIR
SCL
SDA
RES
L800 FB
L801 FB
L804 FB
L805 FB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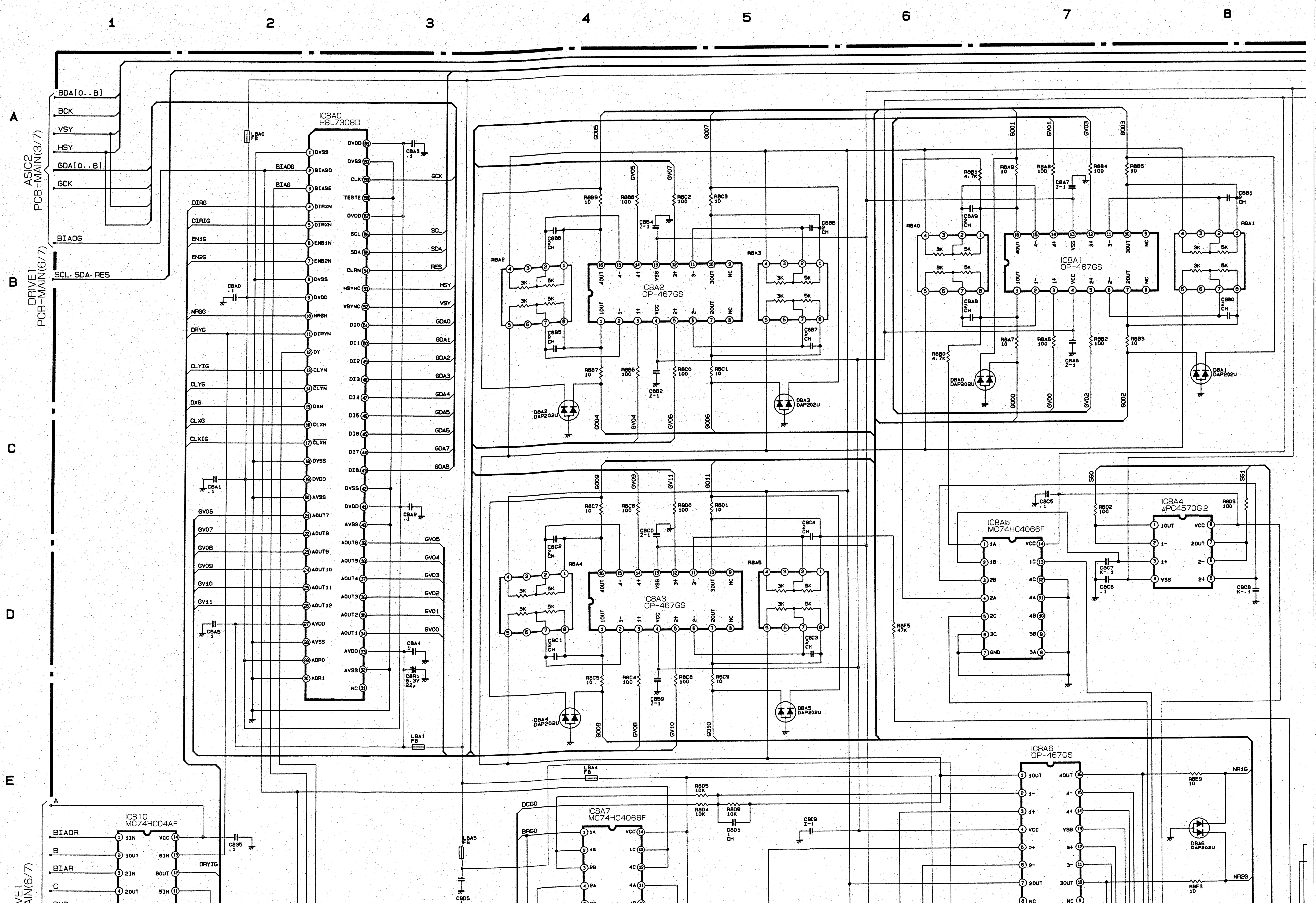
IC808
MC74HC4066F
IC809
MC74HC4066F
DCR0
BRR0
DCR1
BRR1
NRH
NRL
NR2R
R5X7 10K
R834 10K
R839 10K
C831 1 CH
C829 Z-1
R836 10K
C830 Z-1
R838 3K
R837 2K
R841 10K
R840 10K
R845 10K
C832 1 CH
R842 10K
C833 Z-1
R844 3K
R843 2K
C834 .1
C836 1 CH
R846 2K
R847 2K
R848 10K
C837 1 CH
R850 2K
R851 2K
R852 10K
R853 10
D808 DAP202U
C838 .1
1A
1B
2B
2A
2C
3C
GND
VCC
1C
4C
4A
4B
3B
3A
1+
VCC
2+
2-
2OUT
NC
4+
VSS
3+
3-
3OUT
HDT
RED
DYR0
CLYIR0
CLYR0
VDDY
NR2R
NR1R
LCCR
R010
R008
R006
R004
R002
R000
VSSX
CLXIR0
CLXR0
DXR0
VDDX
DIRR0
DIRIR0
EN2R0
EN1R0
VSSX
R001
R003
R005
R007
R009
R011
LCCR
NC
NRGR0
DYR0
DRYR0
DRYIR0
VSSY
SR
LCD(R)
C839 .1
CLXR
CLXIR
CLYIR
CLYR
NRGR
EN1R
EN2R
C586 .1
C587 25V 33μ
C588 .1
C589 .1
C5C0 .1
D5A0 DAN202U
D5A2 DAN202U
D5A4 DAN202U
D5A6 DAN202U
Q5A0 2SA1461
Q5A2 2SA1461
Q5A4 2SA1461
Q5A6 2SA1461
Q5A8 2SA1461
Q5B0 2SA1461
Q5B2 2SA1461
Q5B4 2SA1461
Q5A1 2SC3734
Q5A3 2SC3734
Q5A5 2SC3734
Q5A7 2SC3734
Q5A9 2SC3734
Q5B1 2SC3734
Q5B3 2SC3734
Q5B5 2SC3734
C5A0 47 CH
C5A1 47 CH
R5A3 47
R5A4 100K
C5A2 150 CH
C5A3 47 CH
R5A2 47
R5A5 47
R5A6 47
R5A7 100K
C5A4 150 CH
C5A5 47 CH
R5A8 47
R5A9 47
R580 100K
C5A6 6800 CH
C5A7 6800 CH
R581 47
R582 47
C5A8 6800 CH
C5A9 6800 CH
R583 47
R584 47
R585 100K
C580 150 CH
C581 47 CH
R586 47
R587 47
C582 47 CH
C583 47 CH
R588 47
R589 47
C584 47 CH
C585 47 CH
R5C0 47
D5A1 DAP202U
D5A3 DAP202U
D5A5 DAP202U
D5A7 DAP202U
DXR0
CLXR0
CLXIR0
CLYR0
CLYIR0
NRGR0
EN1R0
EN2R0
DYR0
DIRR0
DIRIR0
DRYR0
DRYIR0
DIRIR
DIRR
DRYR
DRYIR
R5C3 6.8K
R5C4 4.7K
R5C5 4.7K
R5C6 6.8K
C5C1 .1
R5C7 4.7K
R5C8 4.7K
R5C9 6.8K
R5D0 4.7K
R5D1 4.7K
R5D2 6.8K
C5C2 .1
R5D3 4.7K
R5D4 4.7K
R5D5 6.8K
Q5B6 2SC3734
Q5B7 2SC3734
Q5B8 2SC3734
Q5B9 2SC3734
Q5C0 2SC3734
Q5C1 2SC3734
Q5C2 2SC3734
R5D6 4.7K
R5D7 4.7K
R5D8 6.8K
R5D9 4.7K
R5E0 4.7K
R5E1 6.8K
SWS1
SWS0
DRIVE2
PCB-MAIN(7/7)
VSSY
DRIVE2
PCB-MAIN(7/7)
SW0
SW1
ASIC2
PCB-MAIN(3/7)

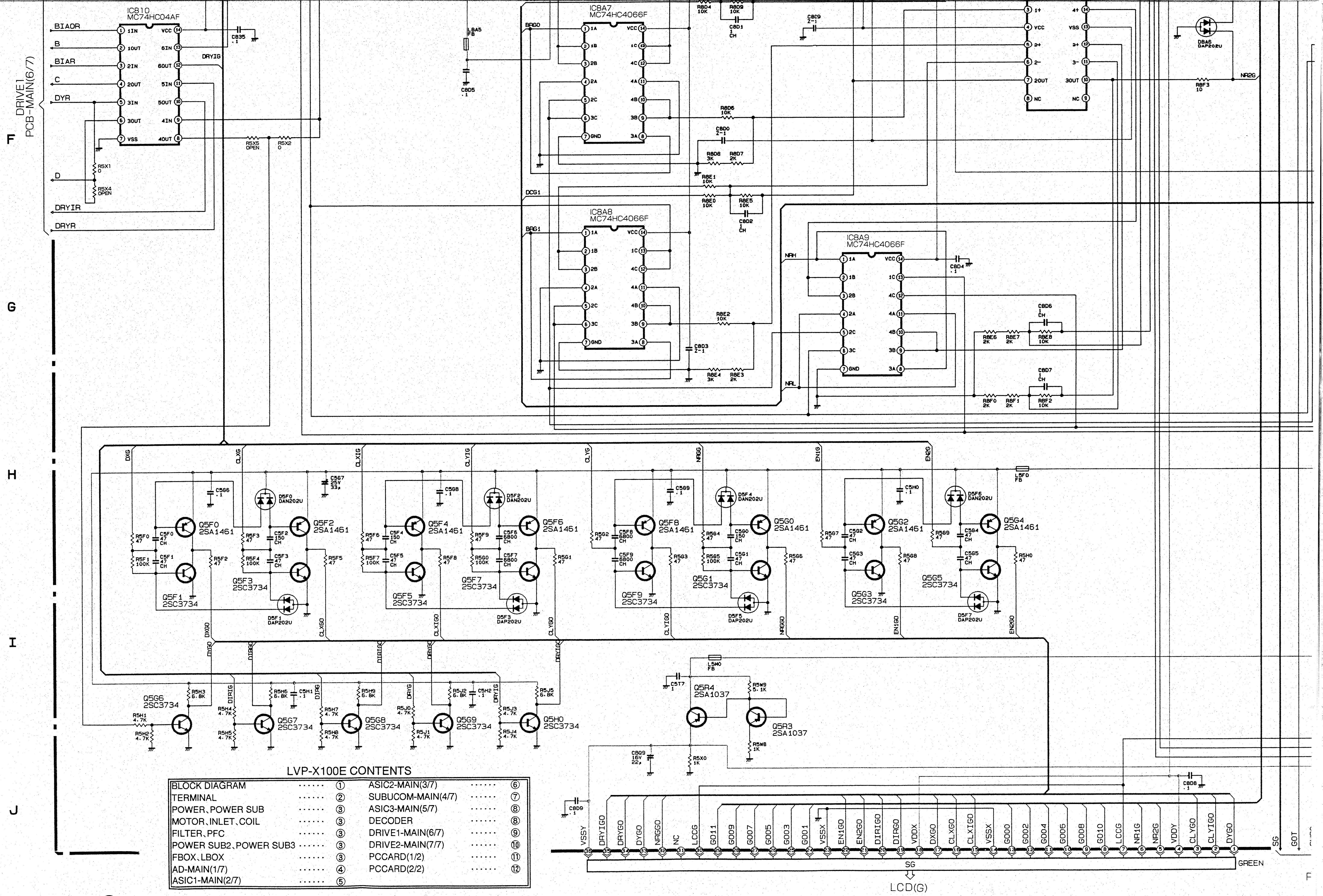
( ) : Not Employed

DRIVE1 ⚠ PCB-MAIN(6/7)

LVP-X100E CONTENTS

BLOCK DIAGRAM ……	①	ASIC2-MAIN(3/7) ……	⑥
TERMINAL ……	②	SUBUCOM-MAIN(4/7) ……	⑦
POWER、POWER SUB ……	③	ASIC3-MAIN(5/7) ……	⑧
MOTOR、INLET、COIL ……	③	DECODER ……	⑧
FILTER、PFC ……	③	DRIVE1-MAIN(6/7) ……	⑨
POWER SUB2、POWER SUB3 ……	③	DRIVE2-MAIN(7/7) ……	⑩
FBOX、LBOX ……	③	PCCARD(1/2) ……	⑪
AD-MAIN(1/7) ……	④	PCCARD(2/2) ……	⑫
ASIC1-MAIN(2/7) ……	⑤		


1
2
3
4
5
6
7
8
A
B
C
D
E
ASIC2
PCB-MAIN(3/7)
DRIVE1
PCB-MAIN(6/7)
BDA[0..8]
BCK
VSY
HSY
GDA[0..8]
GCK
BIAOG
SCL, SDA, RES
IC8A0
H8L7308D
LBA0
FB
LBA1
FB
LBA4
FB
LBA5
FB
BIAOG
BIAG
DIRG
DIRIG
EN1G
EN2G
NRGG
DRYG
CLYIG
CLYG
DXG
CLXG
CLXIG
GV06
GV07
GV08
GV09
GV10
GV11
GV05
GV04
GV03
GV02
GV01
GV00
GCK
SCL
SDA
RES
HSY
VSY
GDA0
GDA1
GDA2
GDA3
GDA4
GDA5
GDA6
GDA7
GDA8
DVSS
BIASO
BIASE
DIRXN
ENB1N
ENB2N
DVDD
NRGN
DIRYN
DY
CLYN
DXN
CLXN
AVSS
AOUT7
AOUT8
AOUT9
AOUT10
AOUT11
AOUT12
AVDD
ADR0
ADR1
CLK
TESTE
CLRN
HSYNC
VSYNC
DI0
DI1
DI2
DI3
DI4
DI5
DI6
DI7
DI8
AOUT6
AOUT5
AOUT4
AOUT3
AOUT2
AOUT1
NC
CBA0
CBA1
CBA2
CBA3
CBA4
CBA5
CBR1
6.3V
22μ
IC8A1
OP-467GS
IC8A2
OP-467GS
IC8A3
OP-467GS
IC8A6
OP-467GS
IC8A4
μPC4570G2
IC8A5
MC74HC4066F
IC8A7
MC74HC4066F
IC810
MC74HC04AF
RBA0
RBA1
RBA2
RBA3
RBA4
RBA5
3K
5K
DBA0
DBA1
DBA2
DBA3
DBA4
DBA5
DBA6
DAP202U
G000
G001
G002
G003
G004
G005
G006
G007
G008
G009
G010
G011
GV00
GV01
GV02
GV03
GV04
GV05
GV06
GV07
GV08
GV09
GV10
GV11
R8A6
R8A7
R8A8
R8A9
R8B0
R8B1
R8B2
R8B3
R8B4
R8B5
R8B6
R8B7
R8B8
R8B9
R8C0
R8C1
R8C2
R8C3
R8C4
R8C5
R8C6
R8C7
R8C8
R8C9
R8D0
R8D1
R8D2
R8D3
R8D4
R8D5
R8D9
R8E9
R8F3
R8F5
47K
10
100
4.7K
10K
C8A6
C8A7
C8A8
C8A9
C8B0
C8B1
C8B2
C8B3
C8B4
C8B5
C8B6
C8B7
C8B8
C8B9
C8C0
C8C1
C8C2
C8C3
C8C4
C8C5
C8C6
C8C7
C8C8
C8C9
C8D1
C805
C835
Z-1
K-.1
CH
4OUT
4-
4+
VSS
3+
3-
3OUT
1OUT
1-
1+
VCC
2+
2-
2OUT
1A
1B
2B
2A
2C
3C
GND
3A
3B
4B
4A
4C
1C
SG0
SG1
NR1G
NR2G
DCG0
BRG0
BIAOR
BIAR
DRYIG
1IN
2IN
6IN
5IN
6OUT
5OUT
A
B
C


DRIVE1
PCB-MAIN(6/7)
F
G
H
I
J
IC810
MC74HC04AF
BIAOR
B
BIAR
C
DYR
D
DRYIR
DRYR
DRYIG
R5X1
0
R5X4
OPEN
R5X5
OPEN
R5X2
0
C835
.1
L8A5
FB
C8D5
.1
IC8A7
MC74HC4066F
IC8A8
MC74HC4066F
IC8A9
MC74HC4066F
BRG0
BRG1
DCG1
NRH
NRL
R8D4
10K
R8D9
10K
C8D1
1
CH
C8C9
Z-1
R8D6
10K
C8D0
Z-1
R8D8
3K
R8D7
2K
R8E1
10K
R8E0
10K
R8E5
10K
C8D2
1
CH
R8E2
10K
C8D3
Z-1
R8E4
3K
R8E3
2K
C8D4
.1
C8D6
1
CH
R8E6
2K
R8E7
2K
R8E8
10K
C8D7
1
CH
R8F0
2K
R8F1
2K
R8F2
10K
D8A6
DAP202U
R8F3
10
NR2G
DXG
CLXG
CLXIG
CLYIG
CLYG
NRGG
EN1G
EN2G
L5F0
FB
C566
.1
C567
25V
33μ
C568
.1
C569
.1
C5H0
.1
Q5F0
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Q5F1
2SC3734
Q5F2
2SA1461
Q5F3
2SC3734
Q5F4
2SA1461
Q5F5
2SC3734
Q5F6
2SA1461
Q5F7
2SC3734
Q5F8
2SA1461
Q5F9
2SC3734
Q5G0
2SA1461
Q5G1
2SC3734
Q5G2
2SA1461
Q5G3
2SC3734
Q5G4
2SA1461
Q5G5
2SC3734
D5F0
DAN202U
D5F1
DAP202U
D5F2
DAN202U
D5F3
DAP202U
D5F4
DAN202U
D5F5
DAP202U
D5F6
DAN202U
D5F7
DAP202U
DXG0
CLXG0
CLXIG0
CLYG0
CLYIG0
NRGG0
EN1G0
EN2G0
DYG0
DIRG0
DIRIG0
DRYG0
DRYIG0
DIRIG
DIRG
DRYG
DRYIG
Q5G6
2SC3734
Q5G7
2SC3734
Q5G8
2SC3734
Q5G9
2SC3734
Q5H0
2SC3734
L5M0
FB
C5T7
1
Q5R4
2SA1037
Q5R3
2SA1037
R5W9
5.1K
R5W8
1K
R5X0
1K
C8D9
16V
22μ
C8D8
.1
C8D9
.1
VSSY
DRYIG0
DRYG0
DYG0
NRGG0
NC
LCCG
G011
G009
G007
G005
G003
G001
VSSX
EN1G0
EN2G0
DIRIG0
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DXG0
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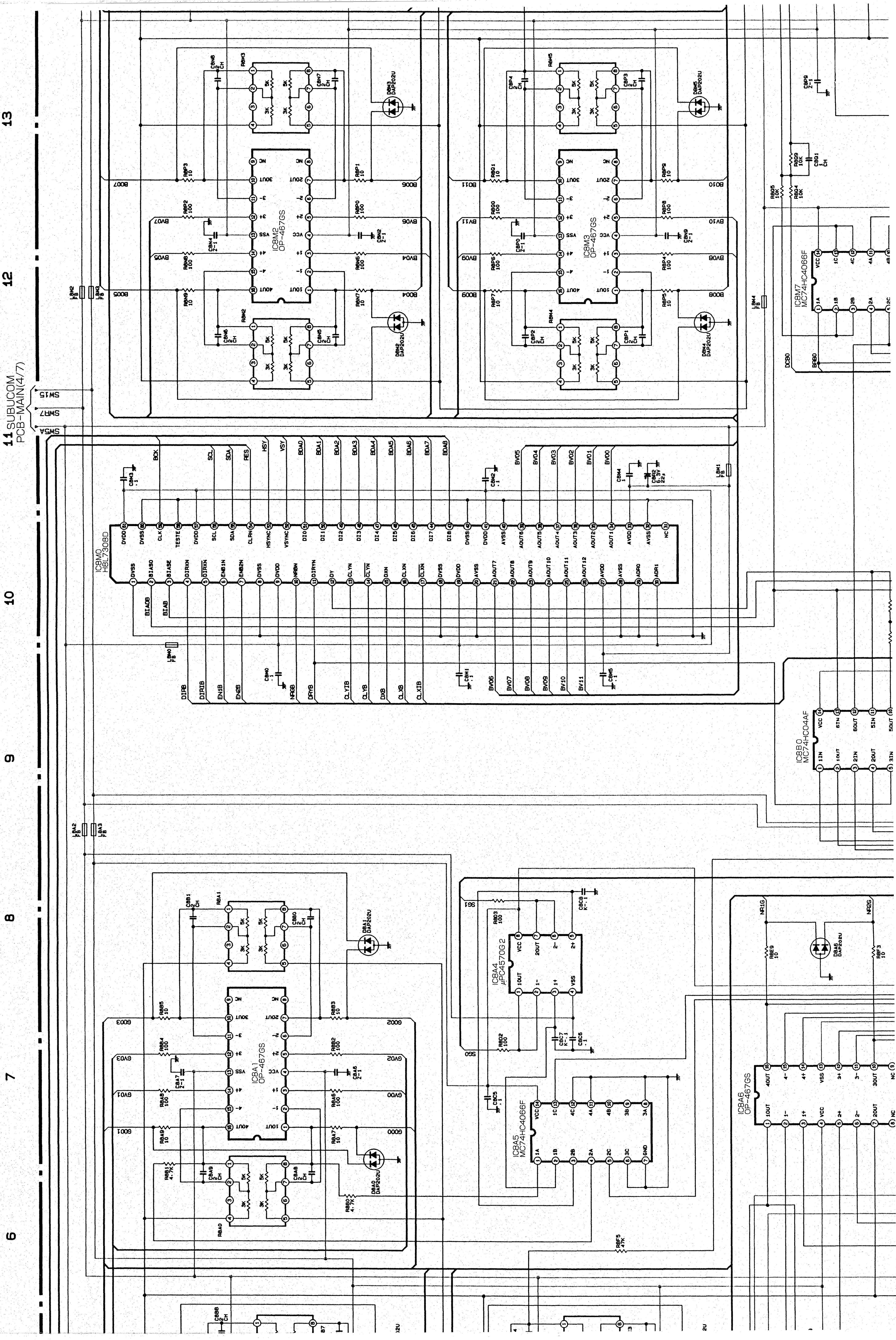
CLXIG0
VSSX
G000
G002
G004
G006
G008
G010
LCCG
NR1G
NR2G
VDDY
CLYG0
CLYIG0
DYG0
SG
GOT
GREEN
SG
LCD(G)

LVP-X100E CONTENTS

BLOCK DIAGRAM ······	①	ASIC2-MAIN(3/7) ······	⑥
TERMINAL ······	②	SUBUCOM-MAIN(4/7) ······	⑦
POWER、POWER SUB ······	③	ASIC3-MAIN(5/7) ······	⑧
MOTOR、INLET、COIL ······	③	DECODER ······	⑧
FILTER、PFC ······	③	DRIVE1-MAIN(6/7) ······	⑨
POWER SUB2、POWER SUB3 ······	③	DRIVE2-MAIN(7/7) ······	⑩
FBOX、LBOX ······	③	PCCARD(1/2) ······	⑪
AD-MAIN(1/7) ······	④	PCCARD(2/2) ······	⑫
ASIC1-MAIN(2/7) ······	⑤		


11 SUBUCOM PCB-MAIN(4/7)
13
12
11
10
9
8
7
6
SW15
SWR7
SW5A
IC8M2 OP-467GS
IC8M3 OP-467GS
IC8M0 H8L7308D
IC8M7 MC74HC4066F
IC8B0 MC74HC04AF
IC8A1 OP-467GS
IC8A4 µPC4570G2
IC8A5 MC74HC4066F
IC8A6 OP-467GS
D8M3 DAP202U
D8M5 DAP202U
D8M2 DAP202U
D8M4 DAP202U
D8A1 DAP202U
D8A0 DAP202U
D8A5 DAP202U
B007
B006
B011
B010
B005
B004
B009
B008
BV07
BV06
BV11
BV10
BV05
BV04
BV09
BV08
BCK
SCL
SDA
RES
HSY
VSY
BDA0
BDA1
BDA2
BDA3
BDA4
BDA5
BDA6
BDA7
BDA8
BV05
BV04
BV03
BV02
BV01
BV00
BIA0B
BIAB
DIRB
DIRIB
EN1B
EN2B
NRGB
DRYB
CLYIB
CLYB
DXB
CLXB
CLXIB
BV06
BV07
BV08
BV09
BV10
BV11
6003
6002
6V03
6V02
6V01
6V00
6001
6000
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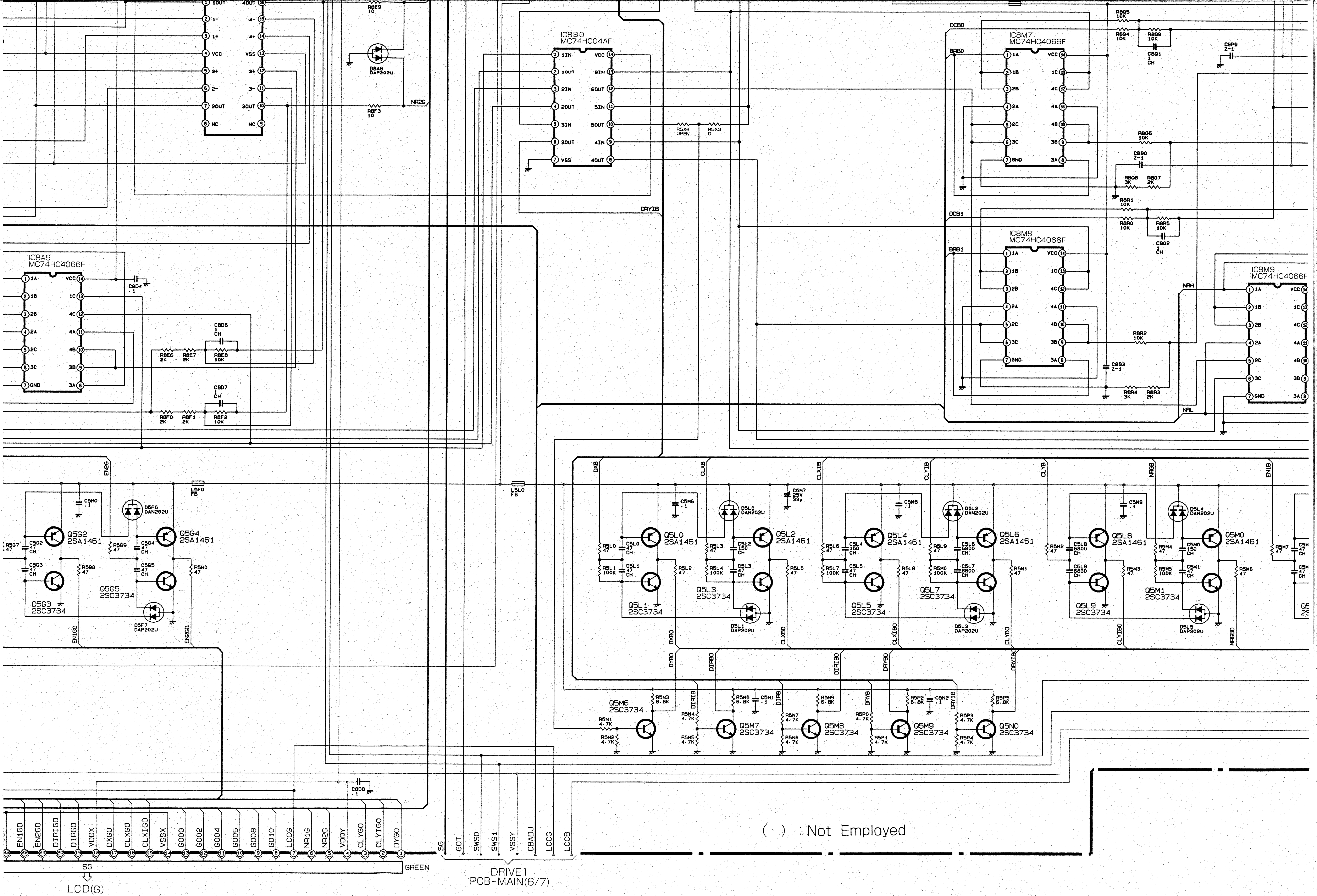
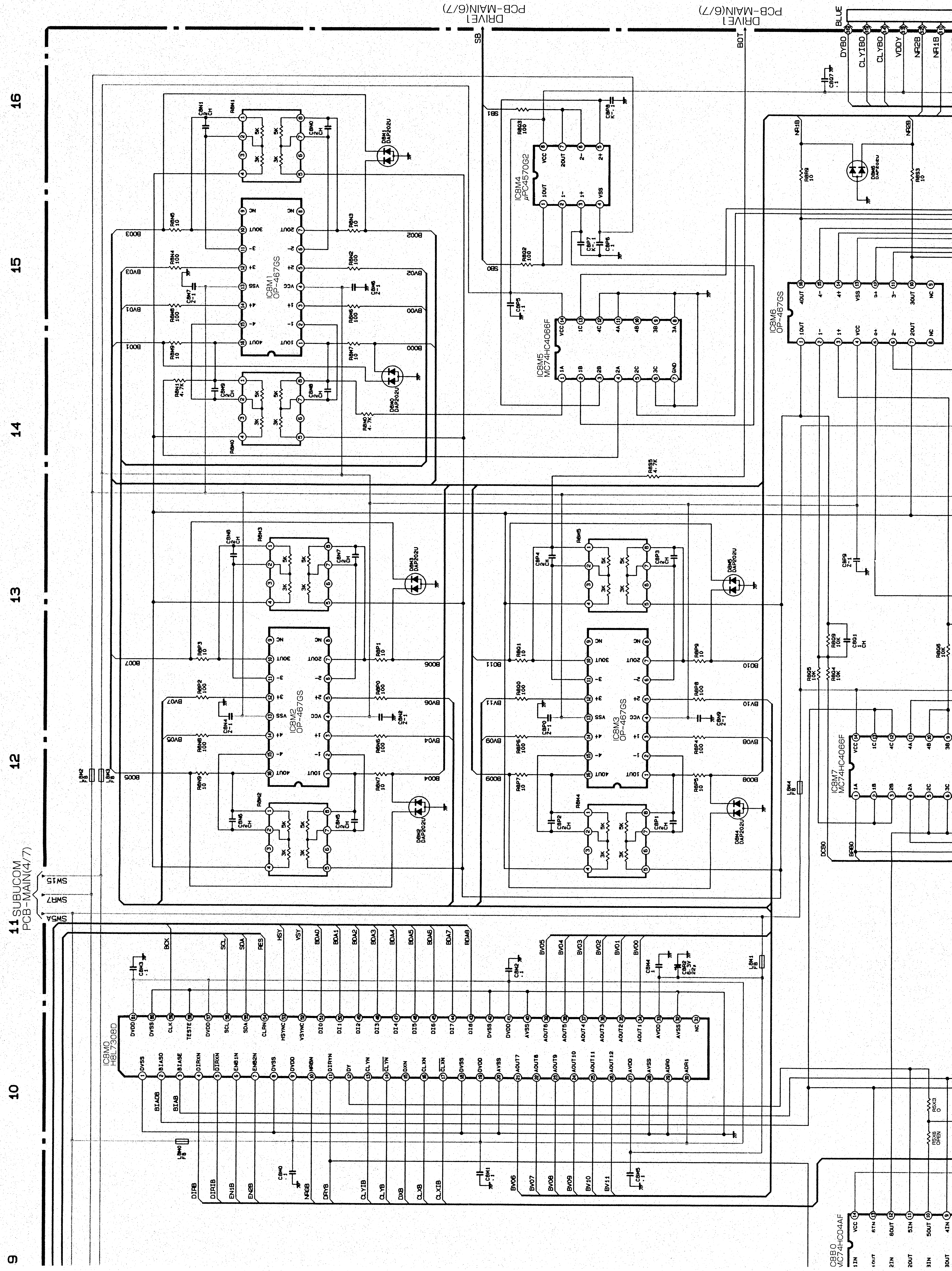
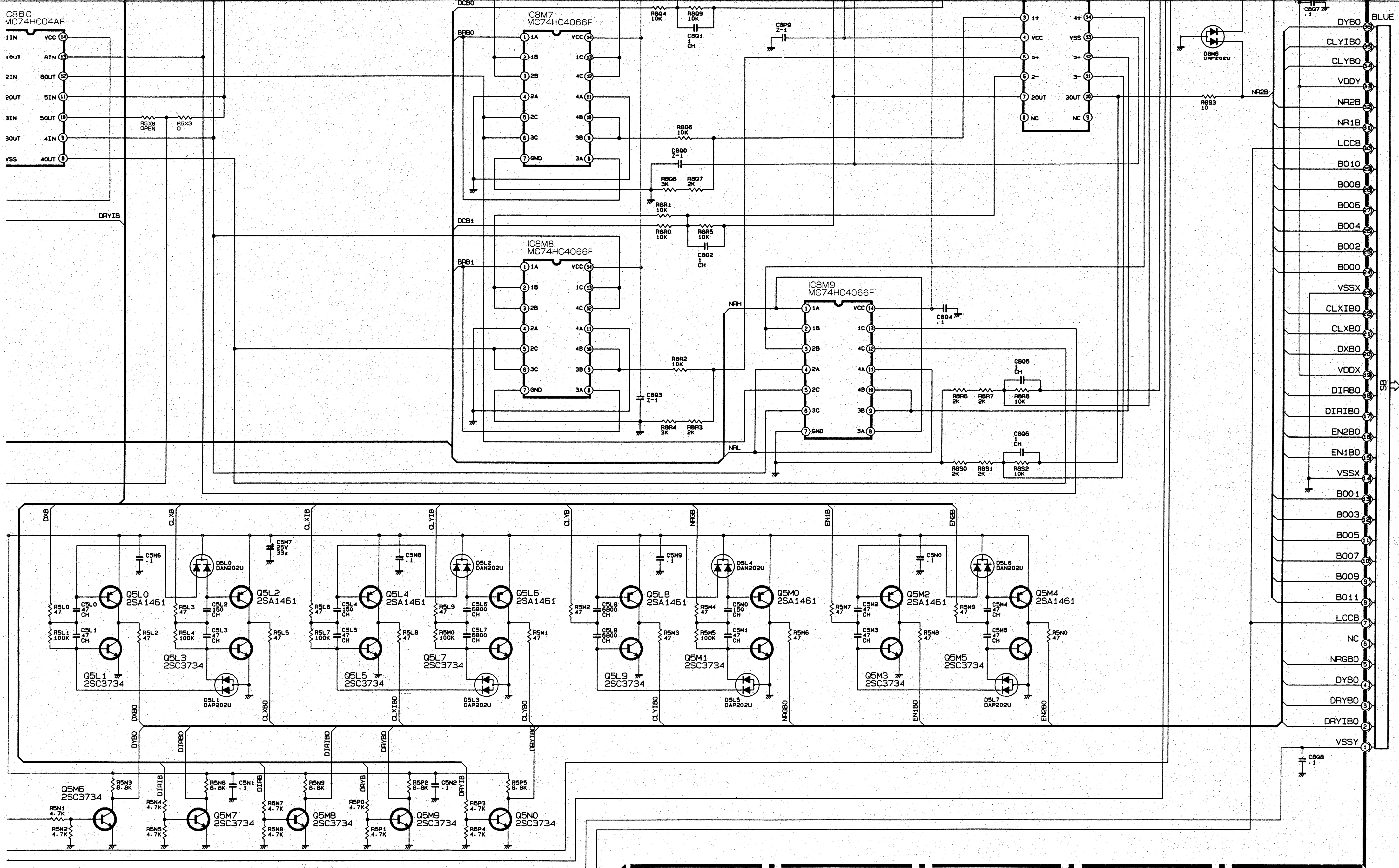
SS0
NR1G
NR2G
DC80
BR80

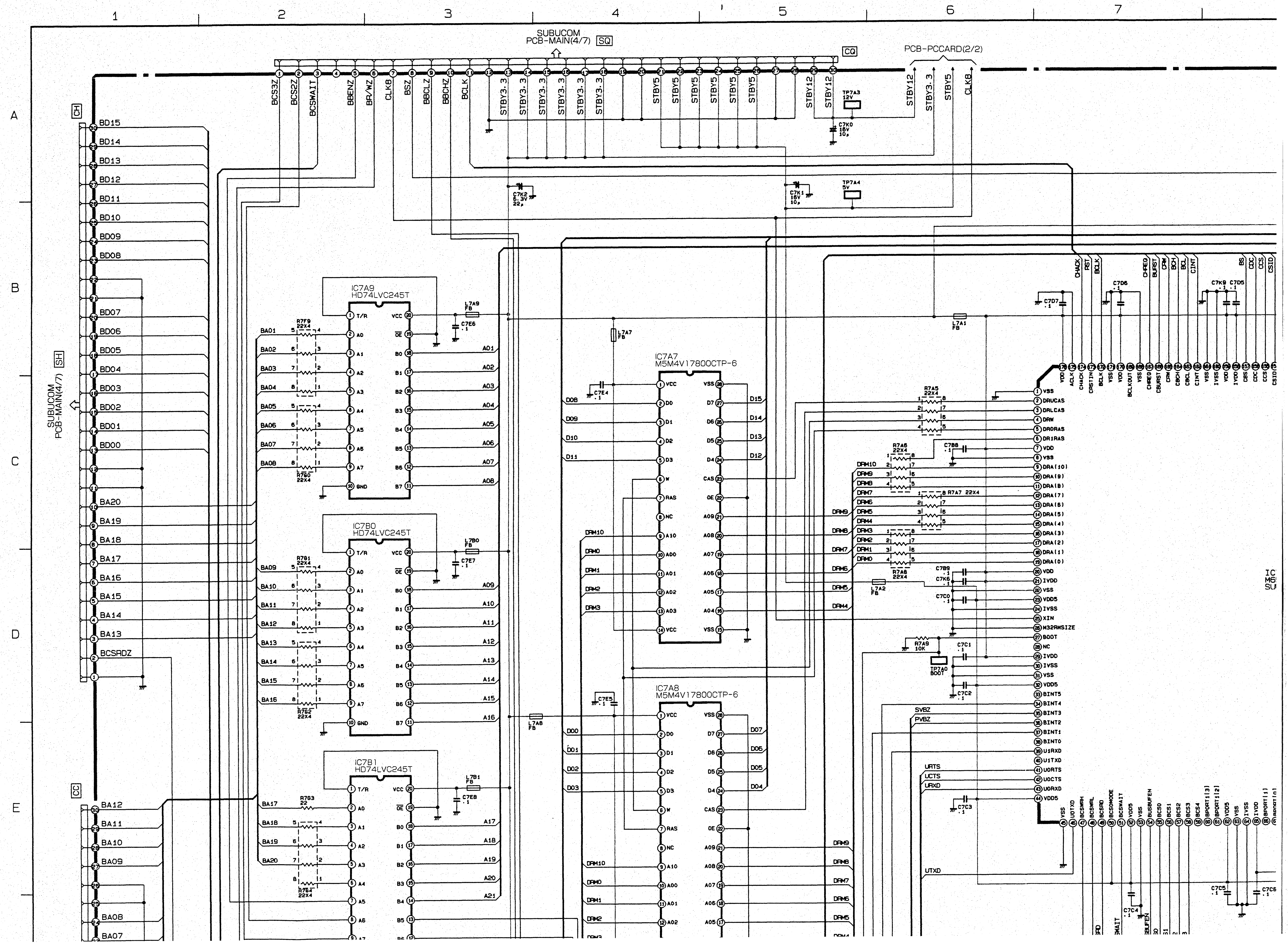

IC8A9
MC74HC4066F
IC8B0
MC74HC04AF
IC8M7
MC74HC4066F
IC8M8
MC74HC4066F
IC8M9
MC74HC4066F
D8A6
DAP202U
NR2G
DRYIB
DCB0
BRB0
DCB1
BRB1
NRH
NRL
EN2G
EN1G0
EN2G0
L5F0
FB
L5L0
FB
Q5G2
2SA1461
Q5G3
2SC3734
Q5G4
2SA1461
Q5G5
2SC3734
D5F6
DAN202U
D5F7
DAP202U
Q5L0
2SA1461
Q5L1
2SC3734
Q5L2
2SA1461
Q5L3
2SC3734
Q5L4
2SA1461
Q5L5
2SC3734
Q5L6
2SA1461
Q5L7
2SC3734
Q5L8
2SA1461
Q5L9
2SC3734
Q5M0
2SA1461
Q5M1
2SC3734
D5L0
DAN202U
D5L1
DAP202U
D5L2
DAN202U
D5L3
DAP202U
D5L4
DAN202U
D5L5
DAP202U
DXB
CLXB
CLXIB
CLYIB
CLYB
NRGB
EN1B
DXB0
CLXB0
CLXIB0
CLYB0
CLYIB0
NRGB0
DYB0
DIRB0
DIRIB0
DRYB0
DRYIB0
DIRIB
DIRB
DRYB
DRYIB
Q5M6
2SC3734
Q5M7
2SC3734
Q5M8
2SC3734
Q5M9
2SC3734
Q5N0
2SC3734
C8D8
.1
EN1G0
EN2G0
DIRIG0
DIRG0
VDDX
DXG0
CLXG0
CLXIG0
VSSX
G000
G002
G004
G006
G008
G010
LCCG
NR1G
NR2G
VDDY
CLYG0
CLYIG0
DYG0
GREEN
SG
LCD(G)
SG
GOT
SWS0
SWS1
VSSY
CBADJ
LCCG
LCCB
DRIVE1
PCB-MAIN(6/7)
( ) : Not Employed

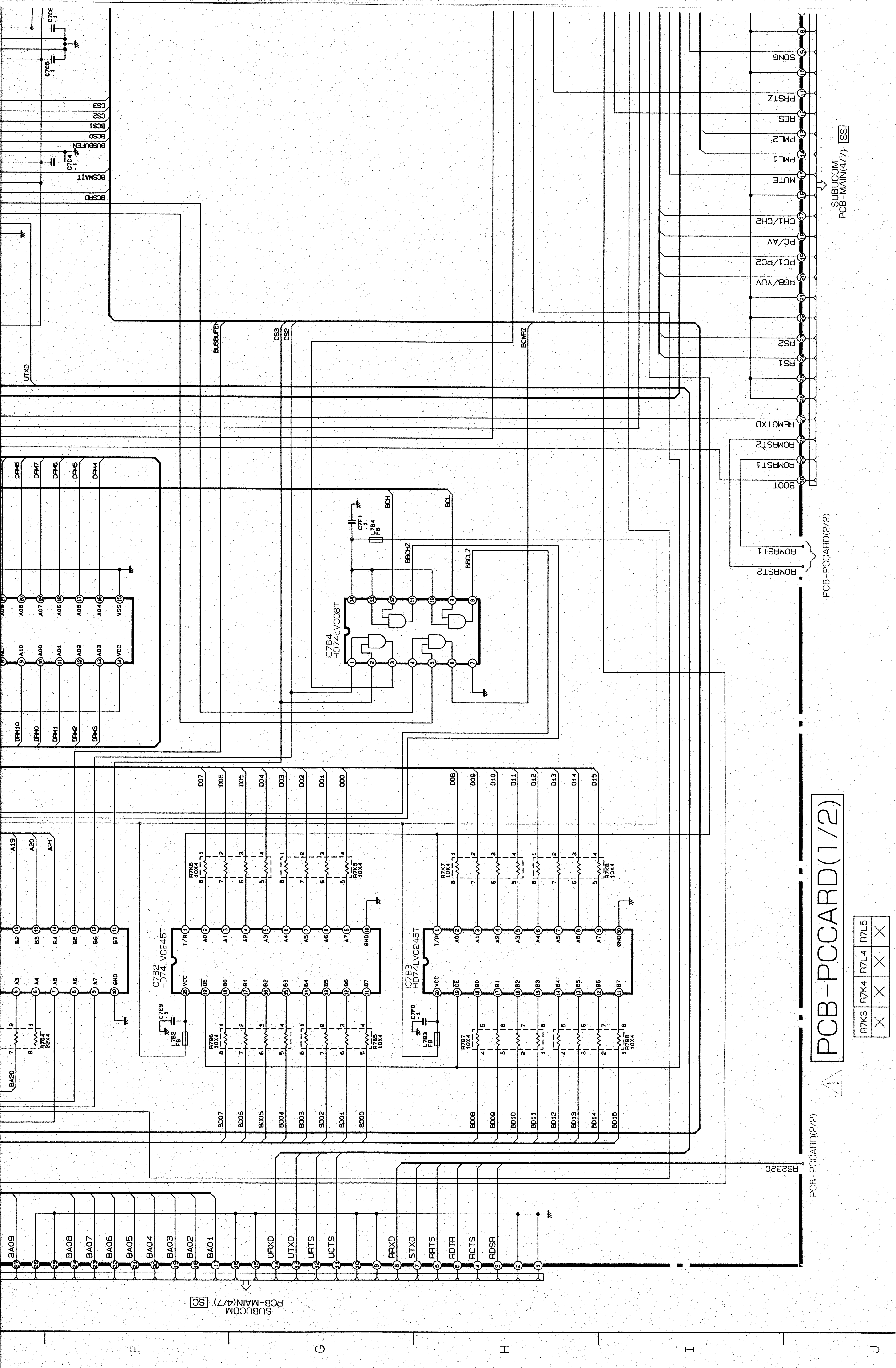

9
10
11
12
13
14
15
16
PCB-MAIN(6/7)
DRIVE1
SB
BOT
BLUE
DYBO
CLYIBO
CLYBO
VDDY
NR2B
NR1B
SUBUCOM
PCB-MAIN(4/7)
SW15
SWR7
SW5A
IC8M0
H8L7308D
IC8M1
OP-467GS
IC8M2
OP-467GS
IC8M3
OP-467GS
IC8M4
μPC4570G2
IC8M5
MC74HC4066F
IC8M6
OP-467GS
IC8M7
MC74HC4066F
IC8B0
MC74HC04AF
D8M0 DAP202U
D8M1 DAP202U
D8M2 DAP202U
D8M3 DAP202U
D8M4 DAP202U
D8M5 DAP202U
D8M6 DAP202U
BCK
SCL
SDA
RES
HSY
VSY
BDA0
BDA1
BDA2
BDA3
BDA4
BDA5
BDA6
BDA7
BDA8
BV05
BV04
BV03
BV02
BV01
BV00
BIAOB
BIAB
DIRB
DIRIB
EN1B
EN2B
NRGB
DRYB
CLYIB
CLYB
DXB
CLXB
CLXIB
BV06
BV07
BV08
BV09
BV10
BV11
DCBO
BRBO
L8M0 FB
L8M1 FB
L8M2 FB
L8M3 FB
L8M4 FB


IC8B0
MC74HC04AF
IC8M7
MC74HC4066F
IC8M8
MC74HC4066F
IC8M9
MC74HC4066F
D8M6
DAP202U
R8S3
10
NR2B
NRH
NRL
DCB0
DCB1
BRB0
BRB1
DRYIB
C8P9
Z-1
C8Q4
.1
C8Q5
C8Q6
C8Q7
C8Q8
R5X6
OPEN
R5X3
0
DXB
CLXB
CLXIB
CLYIB
CLYB
NRGB
EN1B
EN2B
Q5L0
2SA1461
Q5L1
2SC3734
Q5L2
2SA1461
Q5L3
2SC3734
Q5L4
2SA1461
Q5L5
2SC3734
Q5L6
2SA1461
Q5L7
2SC3734
Q5L8
2SA1461
Q5L9
2SC3734
Q5M0
2SA1461
Q5M1
2SC3734
Q5M2
2SA1461
Q5M3
2SC3734
Q5M4
2SA1461
Q5M5
2SC3734
Q5M6
2SC3734
Q5M7
2SC3734
Q5M8
2SC3734
Q5M9
2SC3734
Q5N0
2SC3734
D5L0
DAN202U
D5L1
DAP202U
D5L2
DAN202U
D5L3
DAP202U
D5L4
DAN202U
D5L5
DAP202U
D5L6
DAN202U
D5L7
DAP202U
C5M7
25V
33μ
DX80
CLXB0
CLXIB0
CLYB0
CLYIB0
NRGB0
EN1B0
EN2B0
DYB0
DIRB0
DIRIB0
DRYB0
DRYIB0
DIRB
DIRIB
DRYB
DRYIB
BLUE
SB
LCD(B)
DYB0 36
CLYIB0 35
CLYB0 34
VDDY 33
NR2B 32
NR1B 31
LCCB 30
B010 29
B008 28
B006 27
B004 26
B002 25
B000 24
VSSX 23
CLXIB0 22
CLXB0 21
DXB0 20
VDDX 19
DIRB0 18
DIRIB0 17
EN2B0 16
EN1B0 15
VSSX 14
B001 13
B003 12
B005 11
B007 10
B009 9
B011 8
LCCB 7
NC 6
NRGB0 5
DYB0 4
DRYB0 3
DRYIB0 2
VSSY 1
LCCB

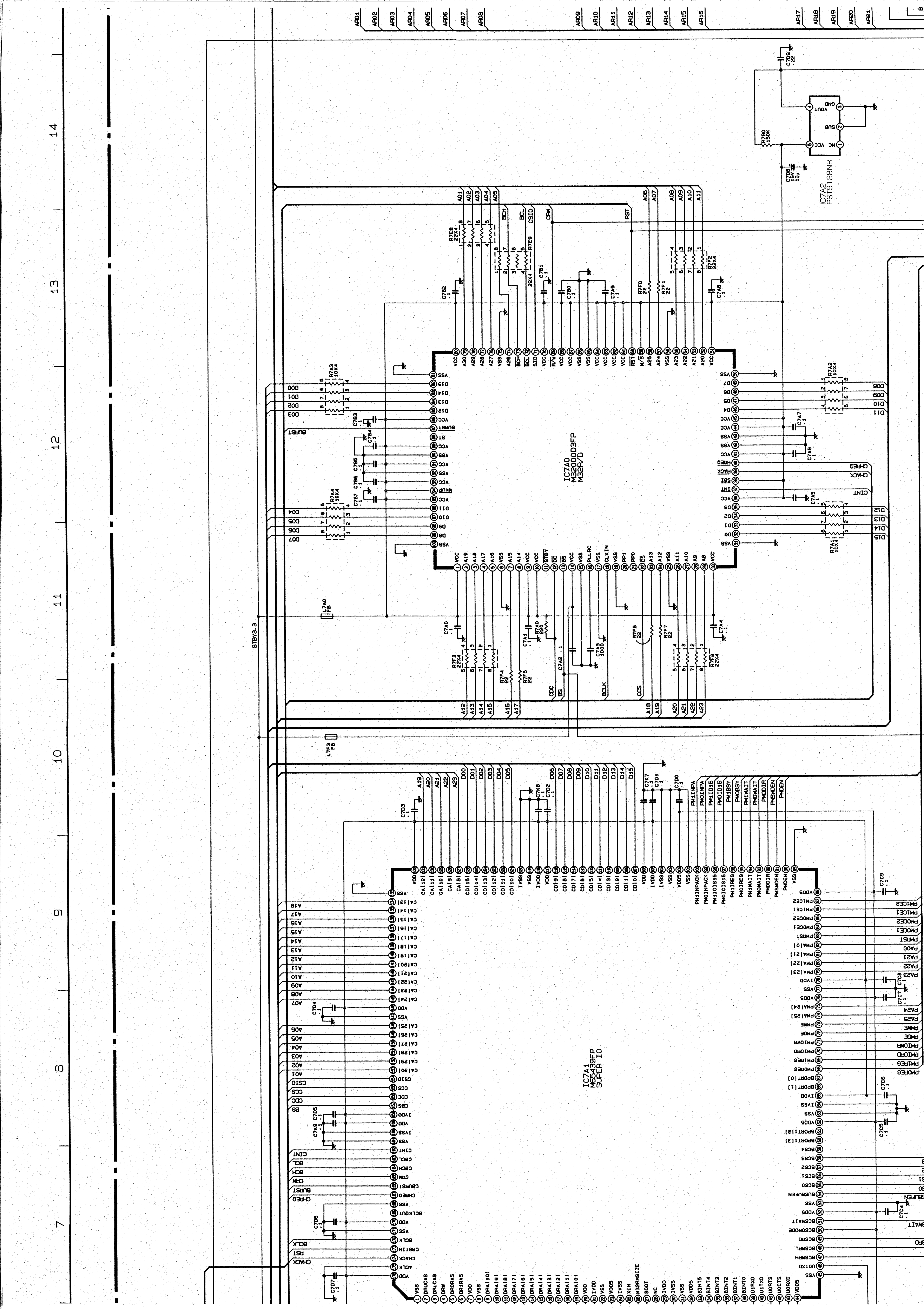
DRIVE2 ⚠ PCB-MAIN(7/7)

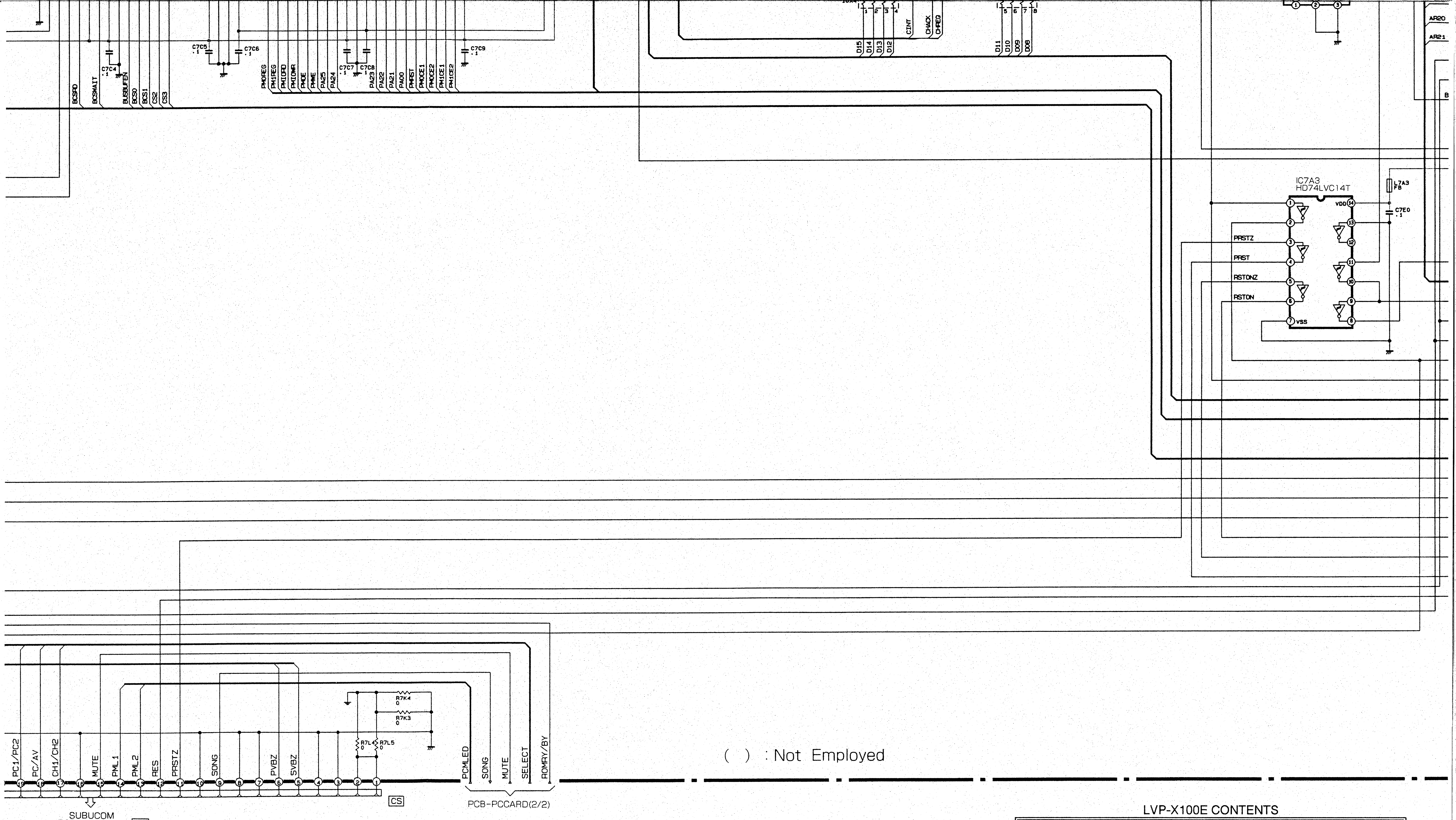
( ) : Not Employed

1
2
3
4
5
6
7
A
B
C
D
E
SUBCOM
PCB-MAIN(4/7) SQ
CQ
PCB-PCCARD(2/2)
CH
SUBCOM
PCB-MAIN(4/7) SH
CC
BCS3Z
BCS2Z
BCSWAIT
BBENZ
BR/WZ
CLK8
BSZ
BBCLZ
BBCHZ
BCLK
STBY3.3
STBY5
STBY12
TP7A3 12V
C7K0 16V 10μ
TP7A4 5V
C7K1 16V 10μ
C7K2 6.3V 22μ
BD15
BD14
BD13
BD12
BD11
BD10
BD09
BD08
BD07
BD06
BD05
BD04
BD03
BD02
BD01
BD00
BA20
BA19
BA18
BA17
BA16
BA15
BA14
BA13
BCSRDZ
BA12
BA11
BA10
BA09
BA08
BA07
IC7A9
HD74LVC245T
IC7B0
HD74LVC245T
IC7B1
HD74LVC245T
T/R
VCC
OE
GND
R7F9 22X4
R7G0 22X4
R7B1 22X4
R7B2 22X4
R7B3 22
R7B4 22X4
L7A9 FB
C7E6 .1
L7B0 FB
C7E7 .1
L7B1 FB
C7E8 .1
A01
A02
A03
A04
A05
A06
A07
A08
A09
A10
A11
A12
A13
A14
A15
A16
A17
A18
A19
A20
A21
IC7A7
M5M4V17800CTP-6
IC7A8
M5M4V17800CTP-6
L7A7 FB
C7E4 .1
L7A8 FB
C7E5 .1
D00
D01
D02
D03
D04
D05
D06
D07
D08
D09
D10
D11
D12
D13
D14
D15
DRM0
DRM1
DRM2
DRM3
DRM4
DRM5
DRM6
DRM7
DRM8
DRM9
DRM10
CAS
RAS
NC
W
VSS
R7A5 22X4
R7A6 22X4
R7A7 22X4
R7A8 22X4
R7A9 10K
TP7A0 BOOT
L7A1 FB
L7A2 FB
C7B8 .1
C7B9 .1
C7K6 .1
C7C0 .1
C7C1 .1
C7C2 .1
C7C3 .1
C7C4 .1
C7C5 .1
C7C6 .1
C7D5 .1
C7D6 .1
C7D7 .1
C7K9 .1
VSS
DRUCAS
DRLCAS
DRW
DR0RAS
DR1RAS
VDD
DRA(10)
DRA(9)
DRA(8)
DRA(7)
DRA(6)
DRA(5)
DRA(4)
DRA(3)
DRA(2)
DRA(1)
DRA(0)
IVDD
VDD5
IVSS
XIN
M32RWSIZE
BOOT
BINT5
BINT4
BINT3
BINT2
BINT1
BINT0
U1RXD
U1TXD
U0RTS
U0CTS
U0RXD
U0TXD
BCSWRH
BCSWRL
BCSRD
BCSMODE
BCSWAIT
BUSBUFEN
BCS0
BCS1
BCS2
BCS3
BCS4
BPORT1[3]
BPORT1[2]
BPORT1[1]
BPORT1[0]
ACLK
CHACK
CRSTIN
BCLKOUT
CHREQ
CBURST
CRW
CBCH
CBCL
CINT
CBS
CCC
CCS
CSID
CHACK
RST
BCLK
CHREQ
BURST
CRW
BCH
BCL
CINT
BS
CCC
CCS
CSID
SVBZ
PVBZ
URTS
UCTS
URXD
UTXD
IC
M6
SU


PCB-PCCARD(1/2)
SUBUCOM
PCB-MAIN(4/7)
SS
SC
PCB-PCCARD(2/2)
IC7B4
HD74LVC08T
IC7B2
HD74LVC245T
IC7B3
HD74LVC245T
SONG
PRSTZ
RES
PML2
PML1
MUTE
CH1/CH2
PC/AV
PC1/PC2
RGB/YUV
RS2
RS1
REMOTXD
ROMRST2
ROMRST1
BOOT
RS232C
BUSBUFEN
CS3
CS2
CS1
BCS1
BCS0
BCSWAIT
BCSRD
BCWRZ
BCH
BCL
BBCHZ
BBCLZ
UTXD
C7F1
L7B4
C7E9
L7B2
C7F0
L7B3
C7C4
C7C5
C7C6
R7K6
R7K5
R7B6
R7B5
R7K7
R7K8
R7B7
R7B8
R7B4
D00
D01
D02
D03
D04
D05
D06
D07
D08
D09
D10
D11
D12
D13
D14
D15
BD00
BD01
BD02
BD03
BD04
BD05
BD06
BD07
BD08
BD09
BD10
BD11
BD12
BD13
BD14
BD15
BA01
BA02
BA03
BA04
BA05
BA06
BA07
BA08
BA09
BA20
A19
A20
A21
URXD
UTXD
URTS
UCTS
RRXD
STXD
RRTS
RDTR
RCTS
RDSR
DPM0
DPM1
DPM2
DPM3
DPM4
DPM5
DPM6
DPM7
DPM8
DPM10
F
G
H
I
J

R7K3	R7K4	R7L4	R7L5
☒	☒	☒	☒

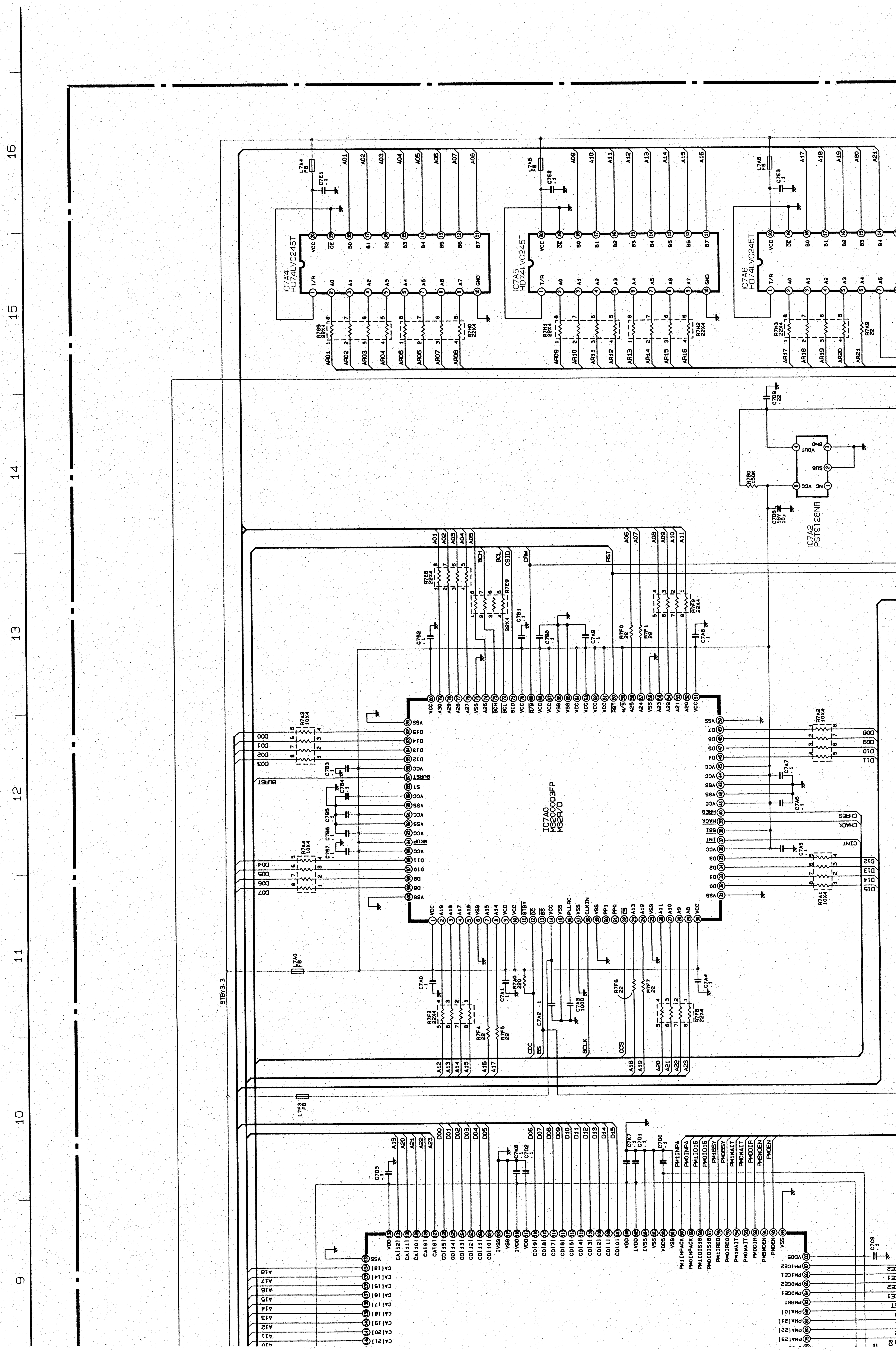

14
13
12
11
10
9
8
7
IC7A0
M32000D3FP
M32R/D
IC7A1
M65439FP
SUPER IO
IC7A2
PST9128NR
STBY3.3
L7A0 FB
L7F3 FB
R7A0 150K
C7D9 .22
C7D8 16V 10
VOUT
GND
SUB
NC VCC
R7A1 10X4
R7A2 10X4
R7A3 10X4
R7A4 10X4
R7E8 22X4
R7E9 22X4
R7F2 22X4
R7F3 22X4
R7F8 22X4
R7F0 22
R7F1 22
R7F4 22
R7F5 22
R7F6 22
R7F7 22
R7A0 2K
C7A3 1000
AR01
AR02
AR03
AR04
AR05
AR06
AR07
AR08
AR09
AR10
AR11
AR12
AR13
AR14
AR15
AR16
AR17
AR18
AR19
AR20
AR21
D00
D01
D02
D03
D04
D05
D06
D07
D08
D09
D10
D11
D12
D13
D14
D15
BURST
CHREQ
CHACK
CINT
BCH
BCL
CSID
CRW
RST
CDC
BS
BCLK
CCS
PM1CE2
PM1CE1
PM0CE2
PM0CE1
PMRST
PMIORD
PMIOWR
PM0REG
PM1REG
PM1INPA
PM0INPA
PM1IOIS16
PM0IOIS16
PM1BSY
PM0BSY
PM1WAIT
PM0WAIT
PM0DIR
PMSWDEN
PMDEN
PA00
PA21
PA22
PA23
PA24
PA25
PMWE
PMOE

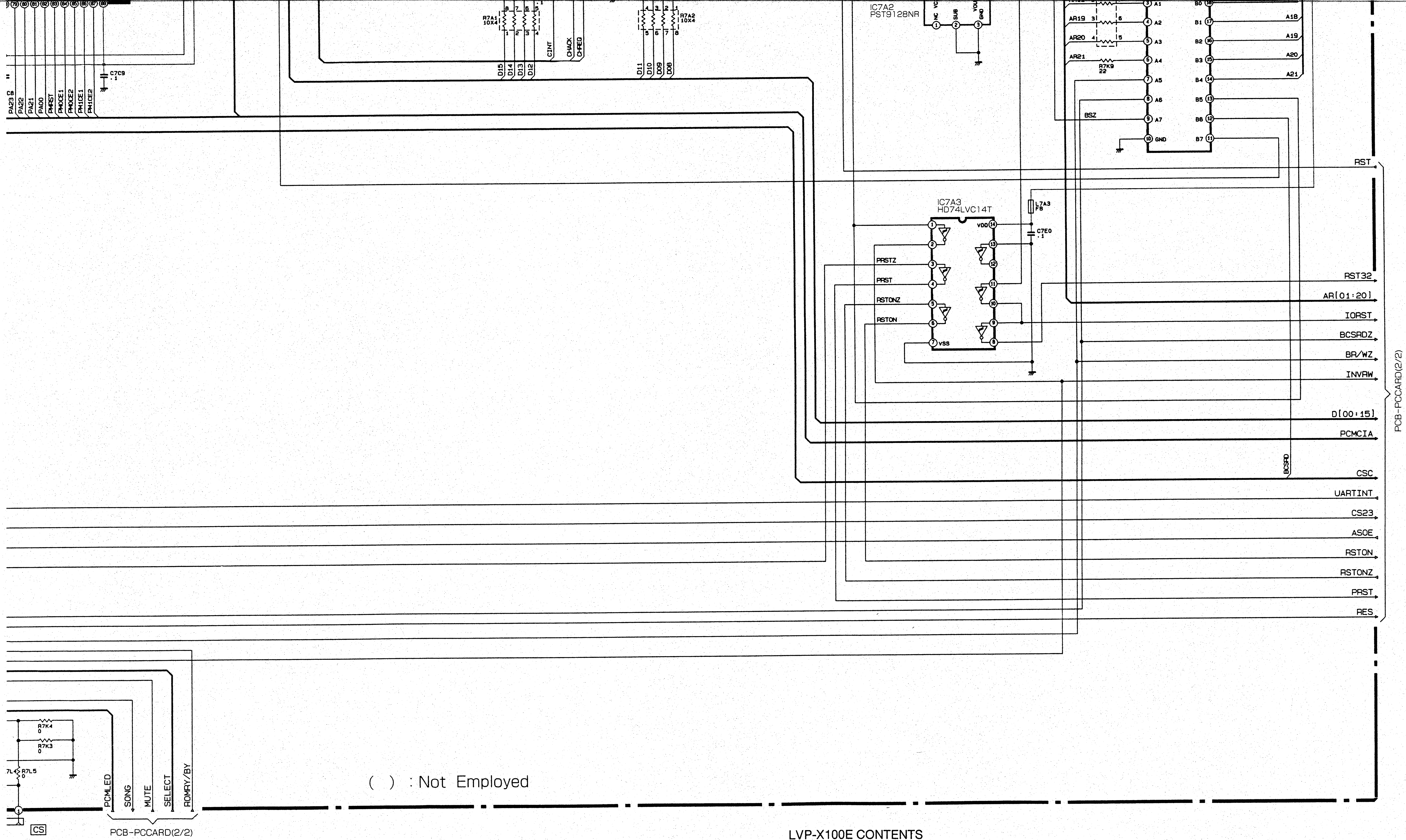

IC7A3
HD74LVC14T
VDD
VSS
L7A3
FB
C7E0
.1
PRSTZ
PRST
RSTONZ
RSTON
AR20
AR21
B
D15
D14
D13
D12
CINT
CHACK
CHREG
D11
D10
D09
D08
BCSRD
BCSWAIT
BUSBUFEN
BCS0
BCS1
CS2
CS3
C7C4
.1
C7C5
.1
C7C6
.1
C7C7
.1
C7C8
.1
C7C9
.1
PMOREG
PM1REG
PM1ORD
PM1OWR
PMOE
PMWE
PA25
PA24
PA23
PA22
PA21
PA00
PMRST
PMOCE2
PMOCE1
PM1CE1
PM1CE2
PC1/PC2
PC/AV
CH1/CH2
MUTE
PML1
PML2
RES
PRSTZ
SONG
PVBZ
SVBZ
R7K4
0
R7K3
0
R7L4
0
R7L5
0
PCMLED
SONG
MUTE
SELECT
ROMRY/BY
CS
PCB-PCCARD(2/2)
SUBUCOM
PCB-MAIN(4/7)
SS

( ) : Not Employed

LVP-X100E CONTENTS

BLOCK DIAGRAM	······	①	ASIC2-MAIN(3/7)	······	⑥
TERMINAL	······	②	SUBUCOM-MAIN(4/7)	······	⑦
POWER、POWER SUB	······	③	ASIC3-MAIN(5/7)	······	⑧
MOTOR、INLET、COIL	······	③	DECODER	······	⑧
FILTER、PFC	······	③	DRIVE1-MAIN(6/7)	······	⑨
POWER SUB2、POWER SUB3	······	③	DRIVE2-MAIN(7/7)	······	⑩
FBOX、LBOX	······	③	PCCARD(1/2)	······	⑪
AD-MAIN(1/7)	······	④	PCCARD(2/2)	······	⑫
ASIC1-MAIN(2/7)	······	⑤			

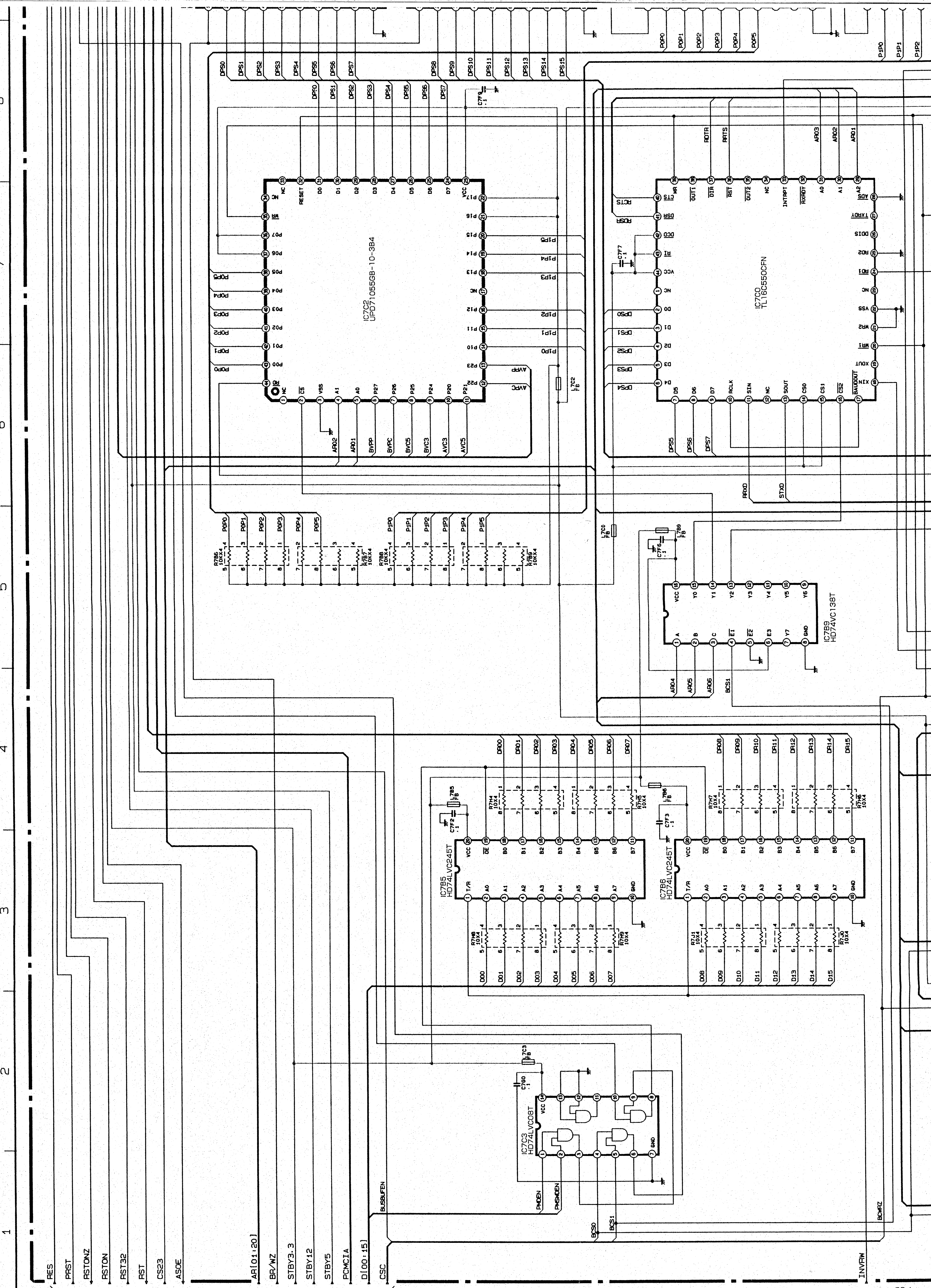

16
15
14
13
12
11
10
9
IC7A4
HD74LVC245T
IC7A5
HD74LVC245T
IC7A6
HD74LVC245T
IC7A2
PST9128NR
IC7A0
M32000D3FP
M32R/D
STBY3.3
L7A4 FB
L7A5 FB
L7A6 FB
L7A0 FB
L7F3 FB
R7B0 150K
C7D9 .22
C7D8 16V 10μ
BURST
CHACK
CHREQ
CINT
BCLK
CCS
CDC
BS
RST
CRW
BCH
BCL
CSID


IC7A2
PST9128NR
NC VC
SUB
VOU
GND
IC7A3
HD74LVC14T
VDD
VSS
L7A3
FB
C7E0
.1
C7C9
.1
R7A1
10X4
R7A2
10X4
R7K9
22
R7K4
0
R7K3
0
R7L5
0
A1
A2
A3
A4
A5
A6
A7
GND
B0
B1
B2
B3
B4
B5
B6
B7
A18
A19
A20
A21
AR19
AR20
AR21
BSZ
D15
D14
D13
D12
CINT
CHACK
CHREQ
D11
D10
D09
D08
PA23
PA22
PA21
PA00
PMRST
PMOCE1
PMOCE2
PM1CE1
PM1CE2
C8
PRSTZ
PRST
RSTONZ
RSTON
BCSRD
RST
RST32
AR[01:20]
IORST
BCSRDZ
BR/WZ
INVRW
D[00:15]
PCMCIA
CSC
UARTINT
CS23
ASOE
RSTON
RSTONZ
PRST
RES
PCB-PCCARD(2/2)
PCMLED
SONG
MUTE
SELECT
ROMRY/BY
CS
PCB-PCCARD(2/2)

( ) : Not Employed

LVP-X100E CONTENTS

BLOCK DIAGRAM	①	ASIC2-MAIN(3/7)	⑥
TERMINAL	②	SUBUCOM-MAIN(4/7)	⑦
POWER、POWER SUB	③	ASIC3-MAIN(5/7)	⑧
MOTOR、INLET、COIL	③	DECODER	⑧
FILTER、PFC	③	DRIVE1-MAIN(6/7)	⑨
POWER SUB2、POWER SUB3	③	DRIVE2-MAIN(7/7)	⑩
FBOX、LBOX	③	PCCARD(1/2)	⑪
AD-MAIN(1/7)	④	PCCARD(2/2)	⑫
ASIC1-MAIN(2/7)	⑤		



IC7C2
UPD71055GB-10-3B4
IC7C0
TL16C550CFN
IC7B9
HD74LVC138T
IC7B5
HD74LVC245T
IC7B6
HD74LVC245T
IC7C3
HD74LVC08T
R7B5 10KX4
R7B7 10KX4
R7B4 10KX4
R7B9 10KX4
R7H4 10KX4
R7H5 10KX4
R7H7 10KX4
R7H6 10KX4
R7H8 10KX4
R7H9 10KX4
R7J1 10KX4
R7J0 10KX4
L7C2 FB
L7C0 FB
L7B9 FB
L7B5 FB
L7B6 FB
L7C3 FB
C7F8 .1
C7F7 .1
C7F6 .1
C7F2 .1
C7F3 .1
C7G0 .1
DPS0
DPS1
DPS2
DPS3
DPS4
DPS5
DPS6
DPS7
DPS8
DPS9
DPS10
DPS11
DPS12
DPS13
DPS14
DPS15
P0P0
P0P1
P0P2
P0P3
P0P4
P0P5
P1P0
P1P1
P1P2
P1P3
P1P4
P1P5
AVPP
AVPC
AR01
AR02
AR03
AR04
AR05
AR06
BVPP
BVPC
BVC5
BVC3
AVC3
AVC5
RCTS
RDSR
RDTR
RRTS
RRXD
STXD
BCS0
BCS1
DR00
DR01
DR02
DR03
DR04
DR05
DR06
DR07
DR08
DR09
DR10
DR11
DR12
DR13
DR14
DR15
D00
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D09
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D12
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D14
D15
PMOEN
PMSMOEN
BUSBUFEN
BCWRZ
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RSTONZ
RSTON
RST32
RST
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STBY12
STBY5
PCMCIA
D[00:15]
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INVRW
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PCB-PCCARD(1/2)
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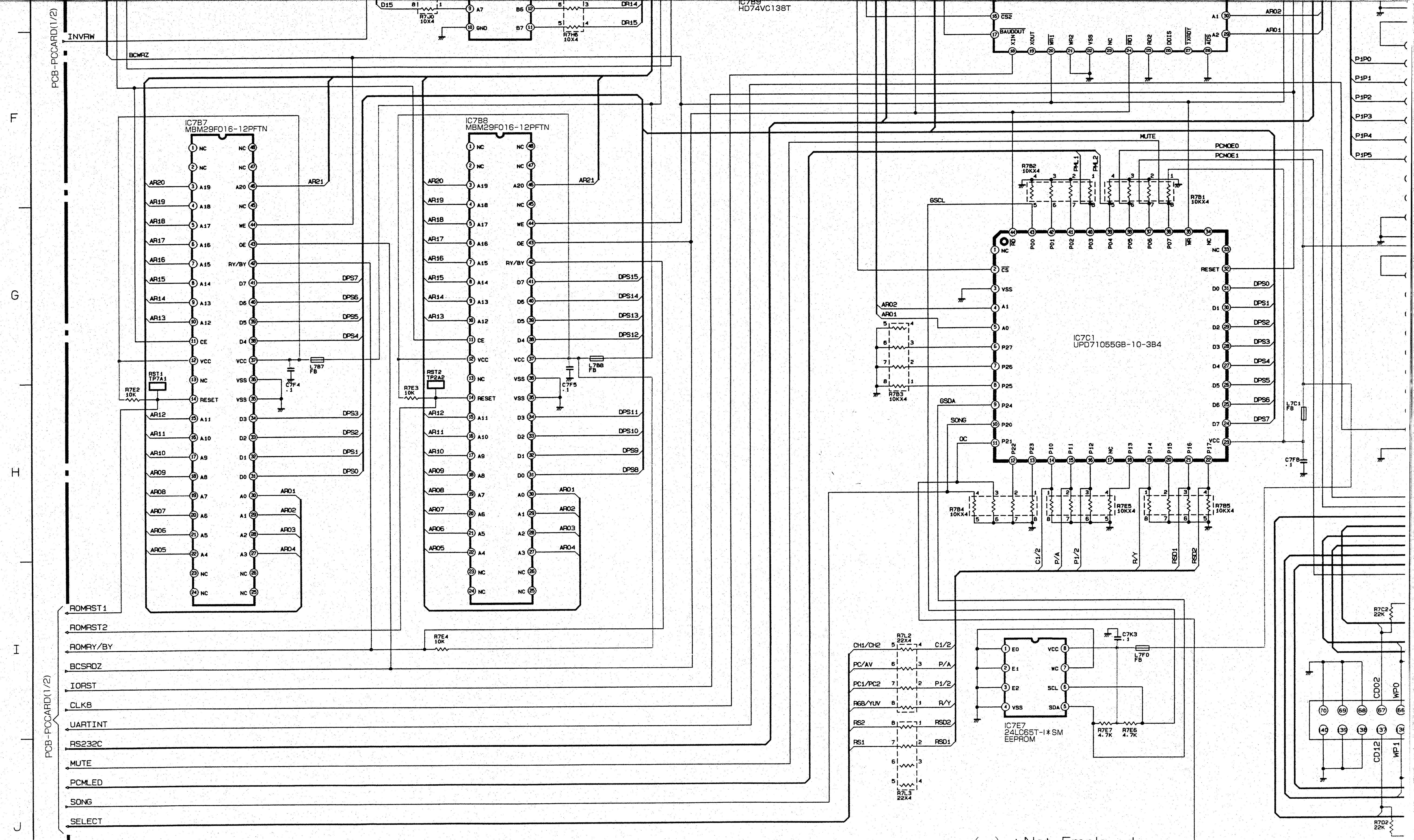
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GSDA
SONG
OC
MUTE
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PCMOE1
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PML2
C1/2
P/A
P1/2
R/Y
RSD1
RSD2
CH1/CH2
PC/AV
PC1/PC2
RGB/YUV
RS1
RS2
P1P0
P1P1
P1P2
P1P3
P1P4
P1P5
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CD12
WP0
WP1
CS2
BAUDOUT
XIN
XOUT
WR1
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NC
RD1
RD2
DDIS
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ADS
A1
A2
ROMRST1
ROMRST2
ROMRY/BY
BCSRDZ
IORST
CLK8
UARTINT
RS232C
MUTE
PCMLED
SONG
SELECT
PCB-PCCARD(1/2)
F
G
H
I
J

( ) : Not Employed

LVP-X100E CONTENTS

BLOCK DIAGRAM ······	①	ASIC2-MAIN(3/7) ······	⑥
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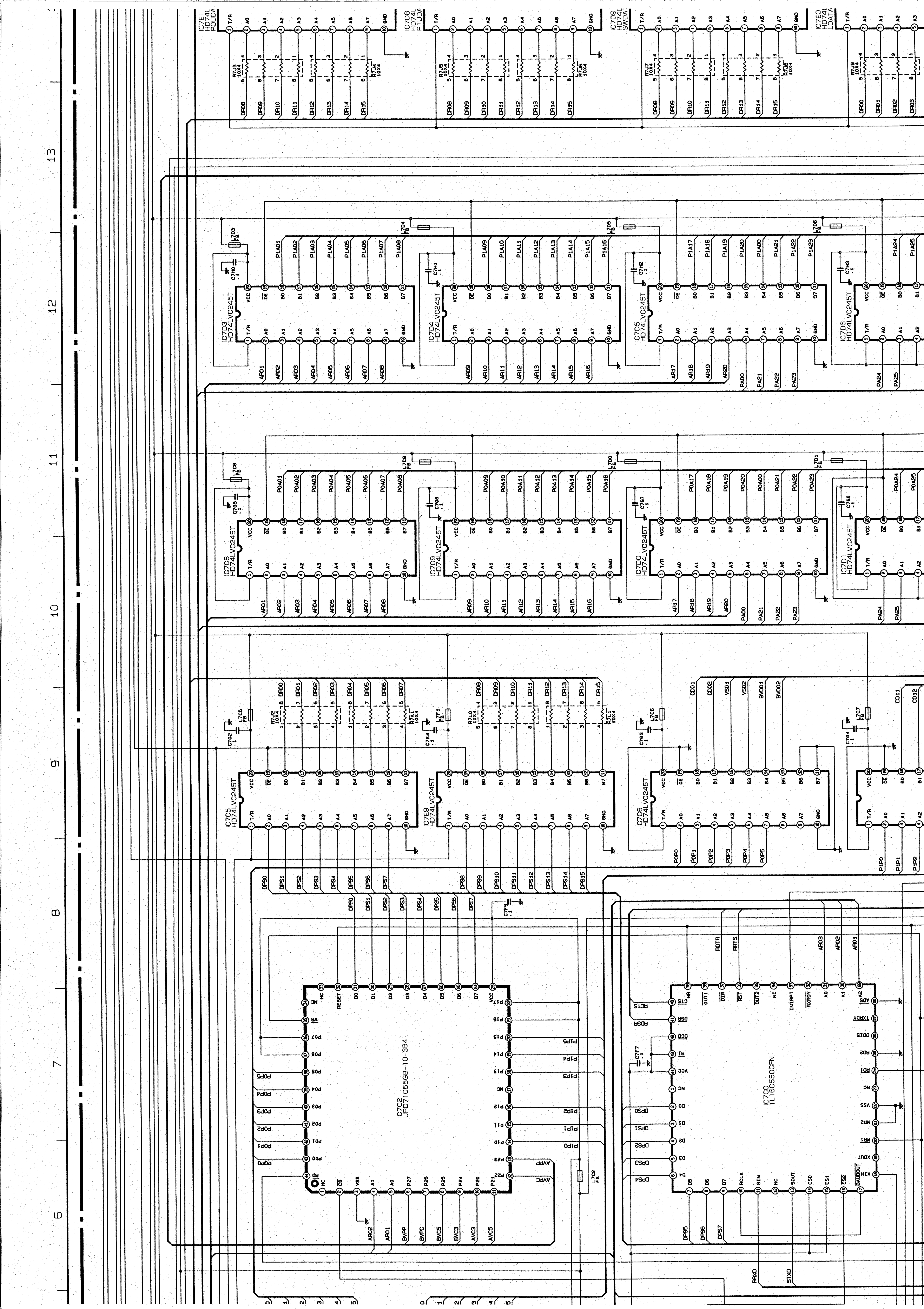
⚠ PCB-PCCARD(2/2)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IC7D5 HD74LVC245T
IC7D6 HD74LVC245T
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IC7C9 HD74LVC245T
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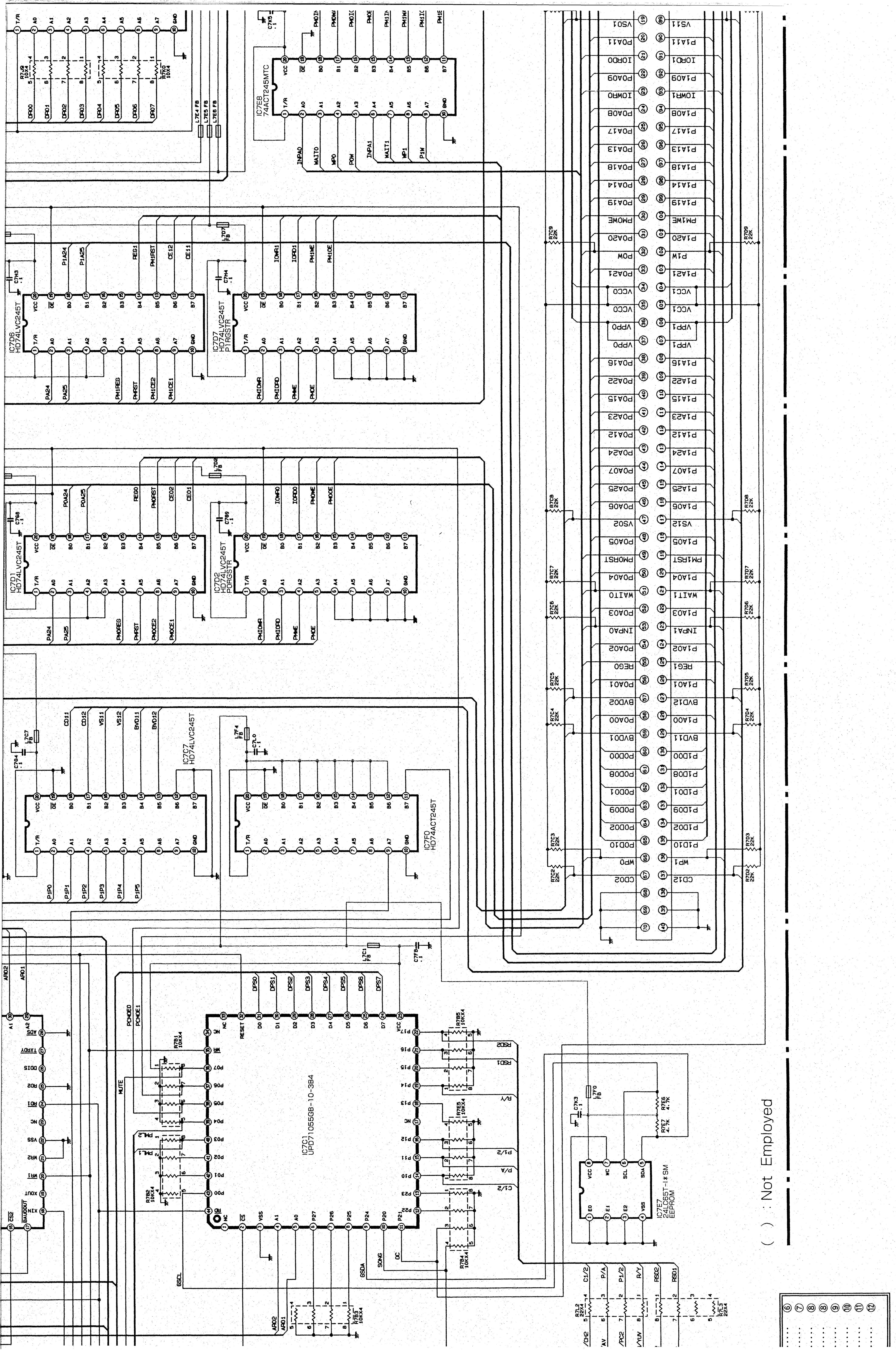
RCTS
RDSR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IC7C7 HD74LVC245T
IC7F0 HD74ACT245T
IC7C1 UPD71055GB-10-3B4
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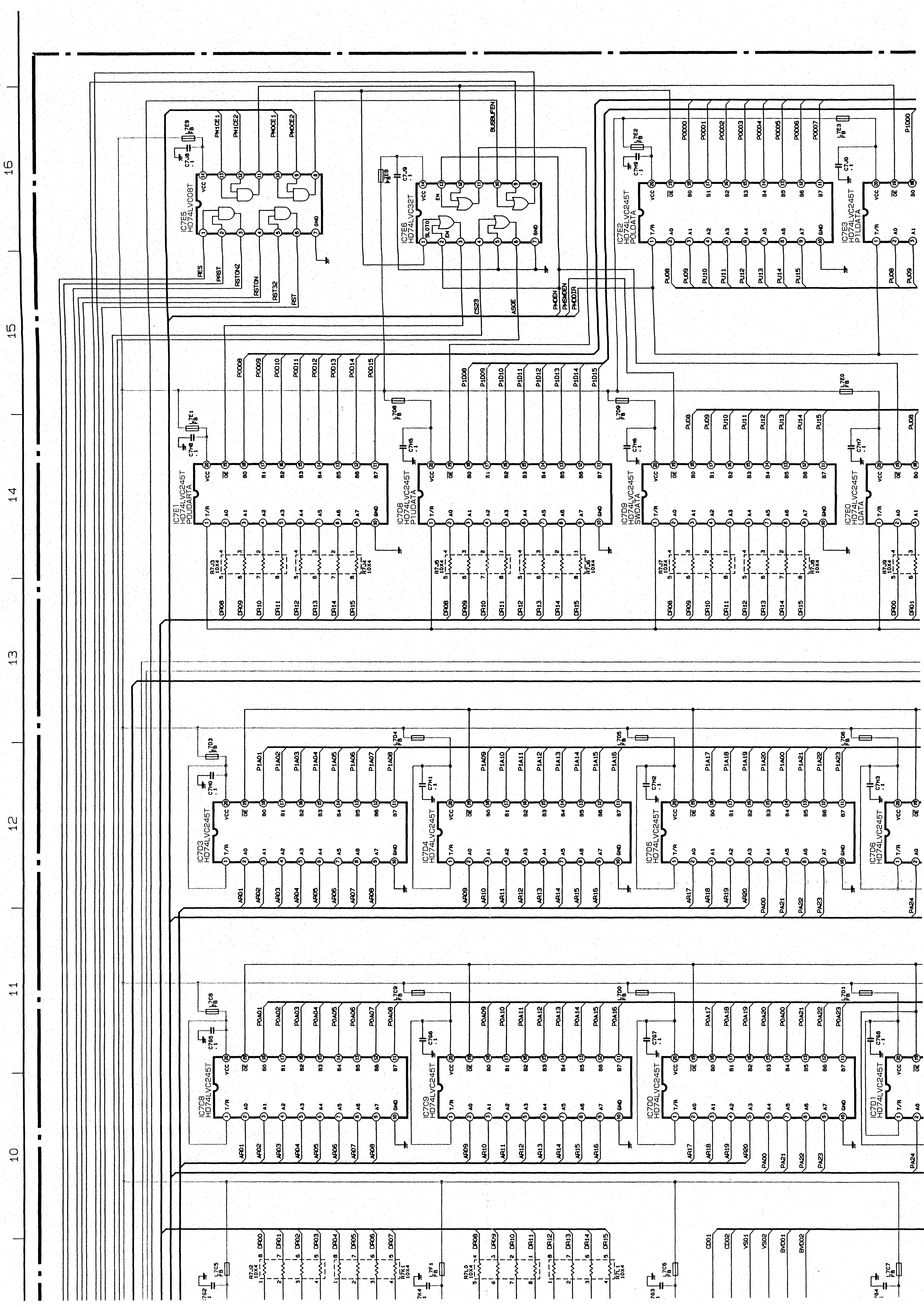

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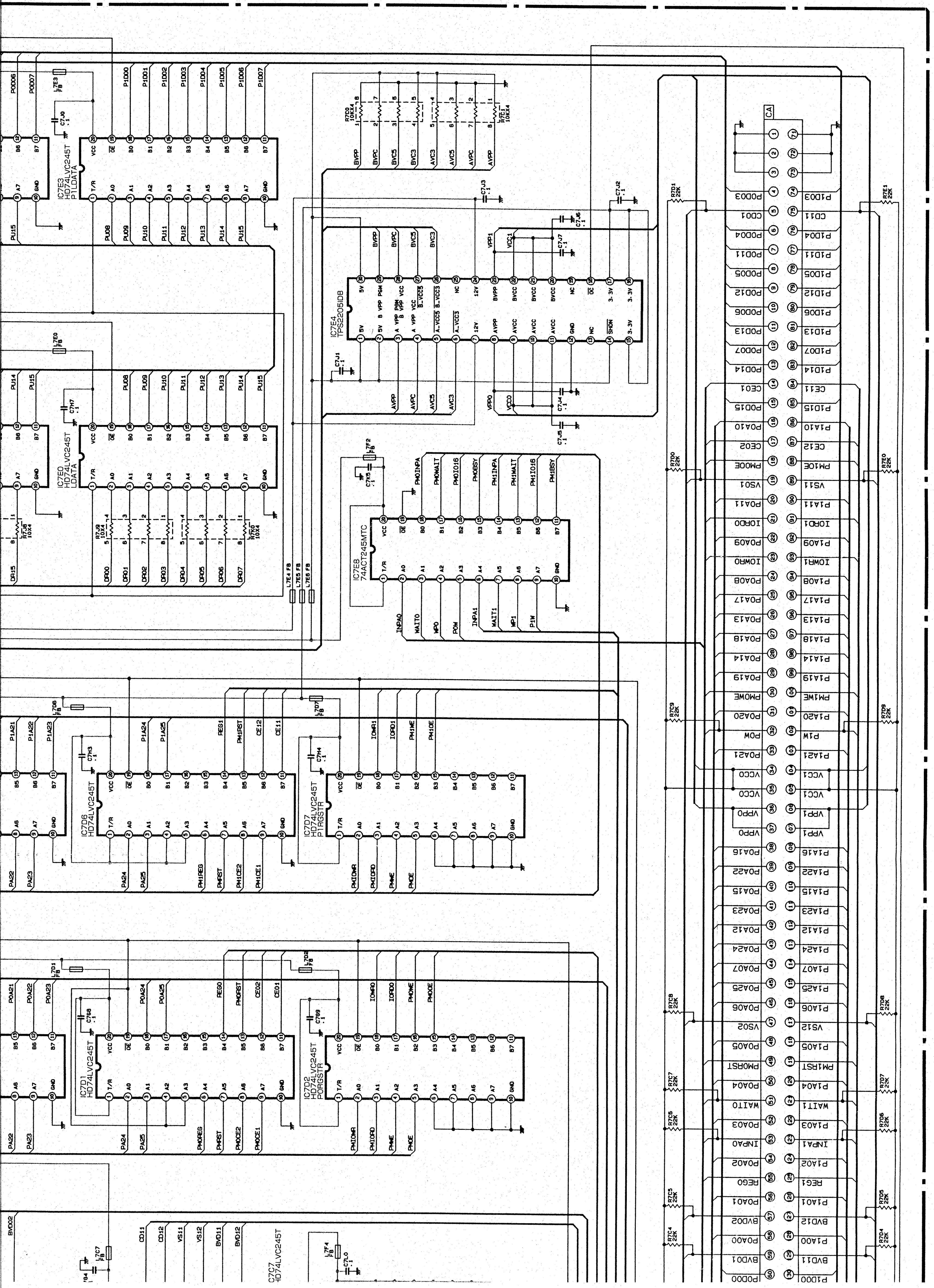
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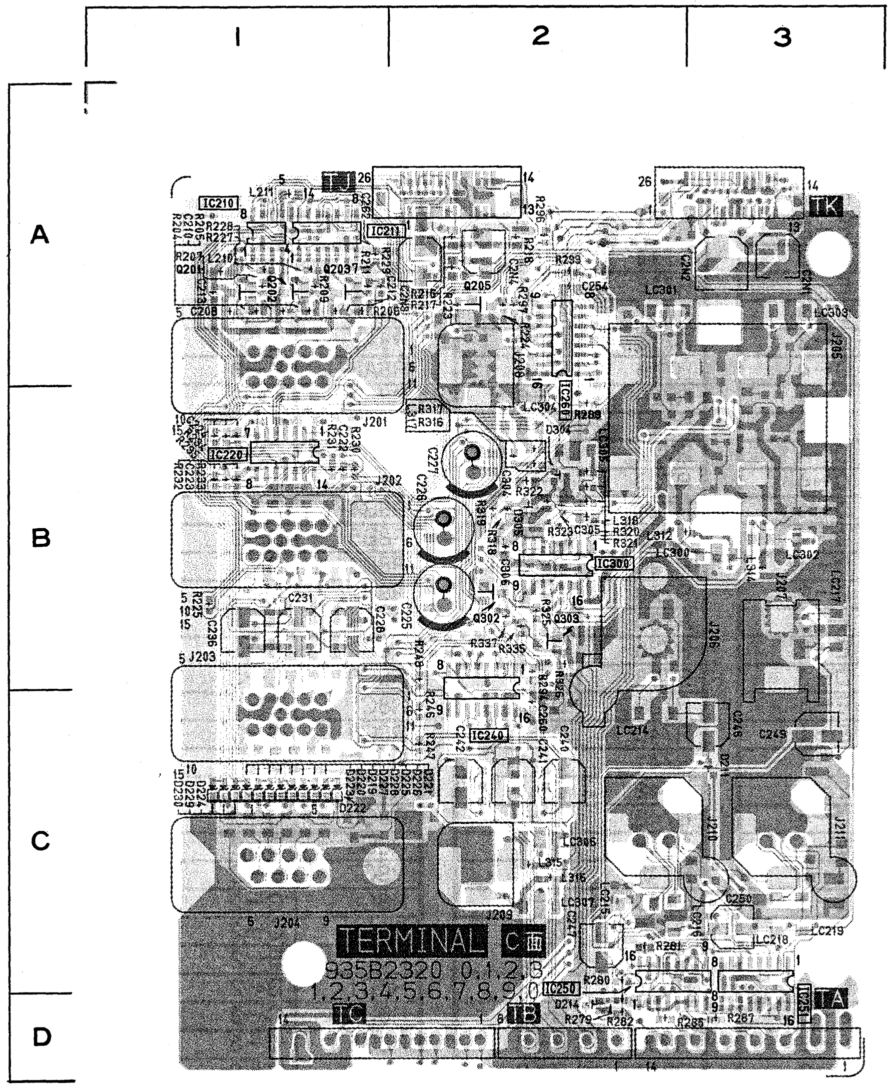
PCB−TERMINAL（COMPONENT SIDE）



PCB-TERMINAL (COMPONENT SIDE)

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C247	C−2
C249	C−3
C250	C−3
C254	A−2
C260	C−2
C262	A−1
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C2N2	A−3
C2N3	A−2
C2N4	A−2
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C305	B−2
C306	B−2
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IC251	C−3
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TC	D−2
TJ	A−2
TK	A−2

L (COMPONENT SIDE)

ES

SYMBOL NO.	ADDRESS
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D227	C−1
D228	C−1
D229	C−1
D230	C−1
D304	B−2
D305	B−2
IC210	A−1
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IC250	C−2
IC251	C−3
IC260	A−2
IC300	B−2
J201	A−1
J202	B−1
J203	C−1

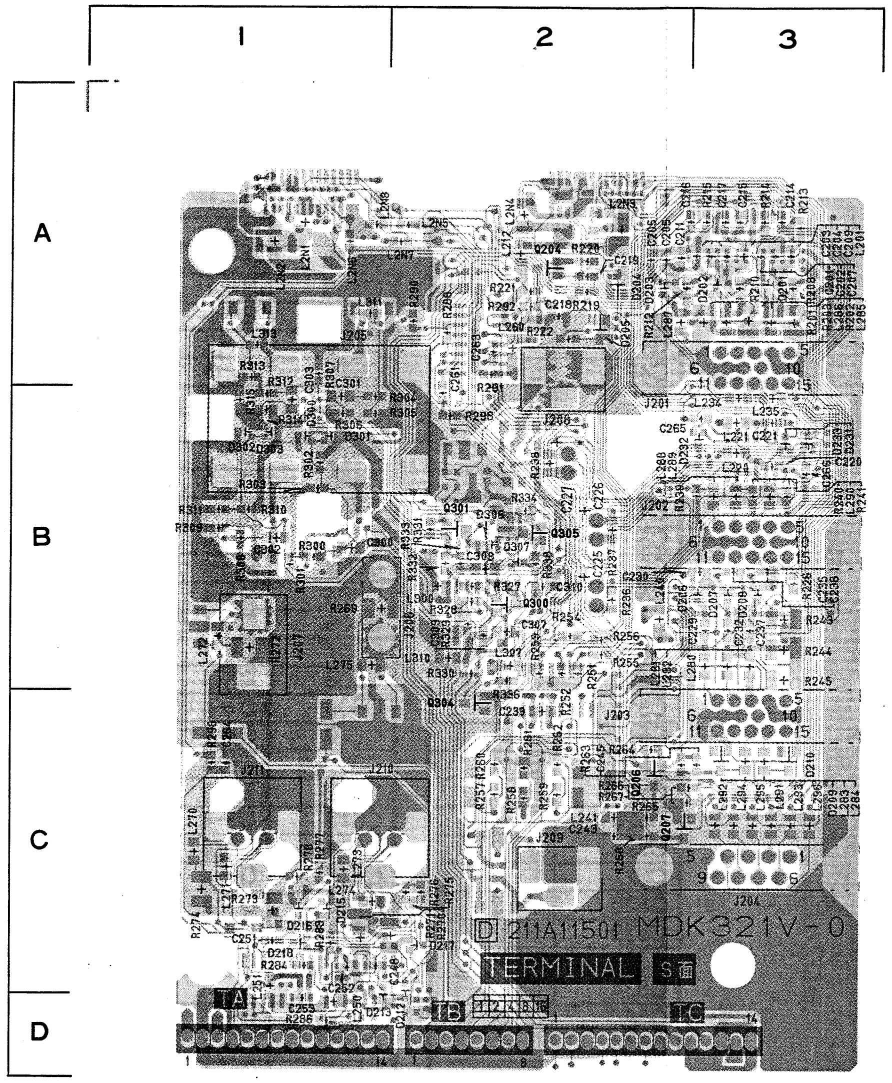
SYMBOL NO.	ADDRESS
J204	C−1
J205	A−3
J206	B−2
J207	B−3
J208	A−2
J209	C−2
J210	C−2
J211	C−3
L210	A−1
L211	A−1
L312	B−3
L314	B−3
L315	C−2
L316	C−2
L317	B−2
L318	B−2
LC214	C−2
LC215	C−2
LC216	C−2
LC217	B−3
LC218	C−3
LC219	C−3
LC300	B−3
LC301	A−2
LC302	B−3
LC303	A−3
LC304	B−2
LC305	B−2

SYMBOL NO.	ADDRESS
LC306	C−2
LC307	C−2
Q201	A−1
Q202	A−1
Q203	A−1
Q205	A−2
Q302	B−2
Q303	B−2
R204	A−1
R205	A−1
R206	A−1
R207	A−1
R209	A−1
R211	A−1
R216	A−2
R217	A−2
R218	A−2
R223	A−2
R224	A−2
R225	B−1
R227	A−1
R228	A−1
R229	A−1
R230	B−1
R231	B−1
R232	B−1
R233	B−1
R234	B−1

SYMBOL NO.	ADDRESS
R235	B−1
R246	C−2
R247	C−2
R248	B−2
R279	D−2
R280	C−2
R281	C−2
R282	D−2
R285	D−2
R287	D−3
R289	B−2
R293	A−2
R294	B−2
R296	A−2
R297	A−2
R316	B−2
R317	B−2
R318	B−2
R319	B−2
R320	B−2
R321	B−2
R322	B−2
R323	B−2
R325	B−2
R326	B−2
R335	B−2
R337	B−2
TA	D−3
TB	D−2

SYMBOL NO.	ADDRESS
TC	D−2
TJ	A−2
TK	A−2

PCB−TERMINAL (SOLDER SIDE)

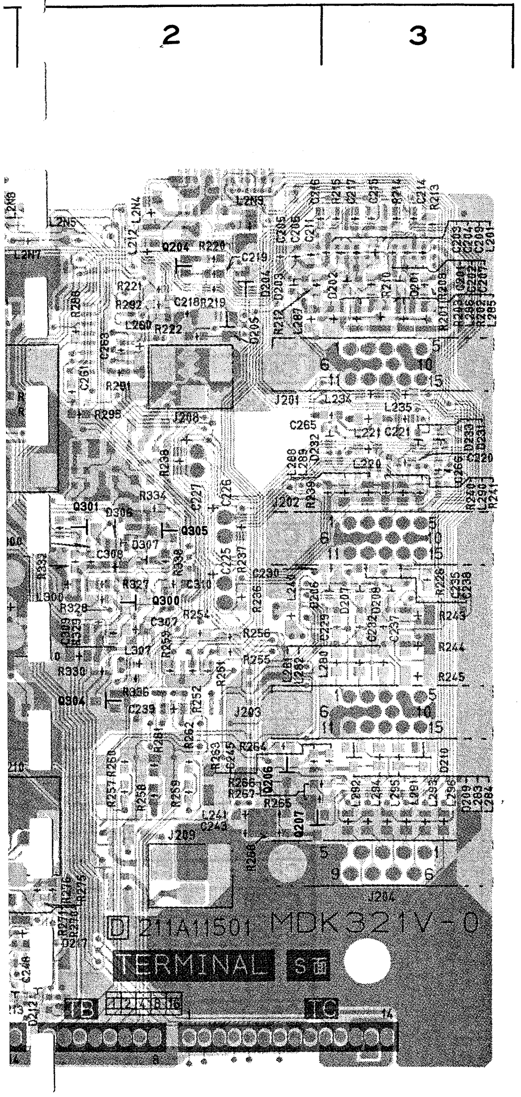


PCB-TERMINAL (SOLDER SIDE)

SYMBOL NO.	ADDRESS
C201	A−3
C202	A−3
C203	A−3
C204	A−3
C205	A−2
C206	A−2
C207	A−3
C209	A−3
C211	A−2
C214	A−3
C215	A−3
C216	A−3
C217	A−3
C218	A−2
C219	A−2
C220	B−3
C221	B−3
C229	B−3
C230	B−3
C232	B−3
C235	B−3
C237	B−3
C238	B−3
C239	C−2
C243	C−2
C245	C−3
C248	C−1
C251	C−1
C252	C−1
C253	D−1

SYMBOL NO.	ADD
C261	B−
C263	A−
C264	C−
C265	B−
C266	B−
C300	B−
C301	B−
C302	B−
C303	B−
C307	B−
C308	B−
C309	B−
C310	B−
D201	A−
D202	A−
D203	A−
D204	A−
D205	A−
D206	B−
D207	B−
D208	B−
D209	C−
D210	C−
D212	D−
D213	D−
D215	C−
D216	C−
D217	C−
D218	C−

ER SIDE)



PCB-TERMINAL (SOLDER SIDE)

SYMBOL NO.	ADDRESS
C201	A−3
C202	A−3
C203	A−3
C204	A−3
C205	A−2
C206	A−2
C207	A−3
C209	A−3
C211	A−2
C214	A−3
C215	A−3
C216	A−3
C217	A−3
C218	A−2
C219	A−2
C220	B−3
C221	B−3
C229	B−3
C230	B−3
C232	B−3
C235	B−3
C237	B−3
C238	B−3
C239	C−2
C243	C−2
C245	C−3
C248	C−1
C251	C−1
C252	C−1
C253	D−1

SYMBOL NO.	ADDRESS
C261	B−2
C263	A−2
C264	C−1
C265	B−3
C266	B−3
C300	B−1
C301	B−1
C302	B−1
C303	B−1
C307	B−2
C308	B−2
C309	B−2
C310	B−2
D201	A−3
D202	A−3
D203	A−2
D204	A−2
D205	A−2
D206	B−3
D207	B−3
D208	B−3
D209	C−3
D210	C−3
D212	D−2
D213	D−2
D215	C−1
D216	C−1
D217	C−2
D218	C−1

SYMBOL NO.	ADDRESS
D231	B−3
D232	B−3
D233	B−3
D300	B−1
D301	B−1
D302	B−1
D303	B−1
D306	B−2
D307	B−2
L201	A−3
L212	A−2
L220	B−3
L221	B−3
L234	B−3
L235	B−3
L240	B−2
L241	C−2
L250	D−1
L251	C−1
L260	A−2
L270	C−1
L271	C−1
L272	B−1
L273	C−1
L274	C−1
L275	B−1
L280	B−3
L281	B−3
L282	B−3

SYMBOL NO.	ADDRESS
L283	C−3
L284	C−3
L285	A−3
L286	A−3
L287	A−2
L288	B−3
L289	B−3
L290	B−3
L291	C−3
L292	C−3
L293	C−3
L294	C−3
L295	C−3
L296	C−3
L2N1	A−1
L2N2	A−1
L2N3	A−2
L2N4	A−2
L2N5	A−2
L2N6	A−1
L2N7	A−2
L2N8	A−1
L300	B−2
L307	B−2
L310	B−2
L311	A−1
L313	A−1
Q204	A−2
Q206	C−2

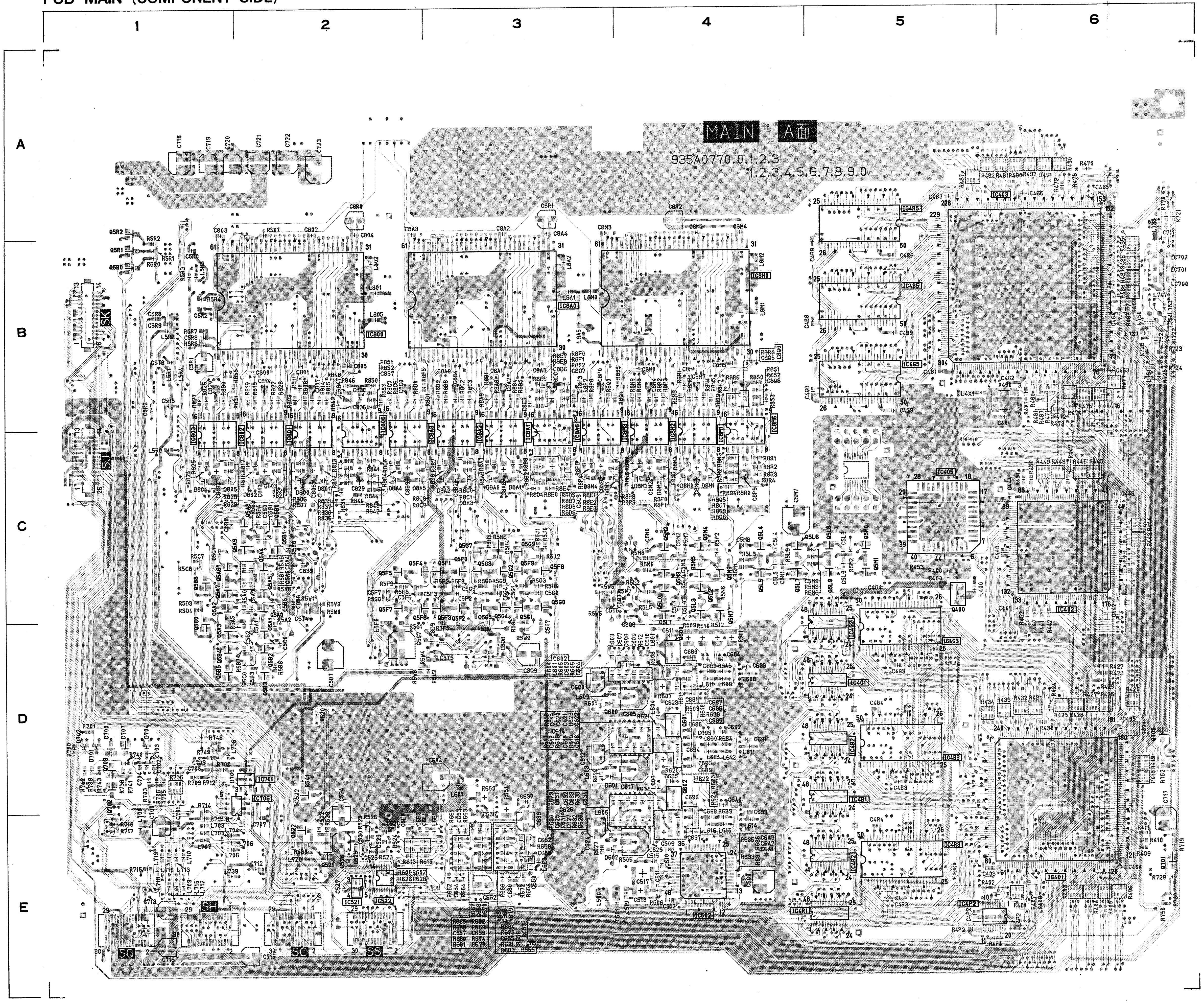
SYMBOL NO.	ADDRESS
Q207	C−3
Q300	B−2
Q301	B−2
Q304	C−2
Q305	B−2
R201	A−3
R202	A−3
R203	A−3
R208	A−3
R210	A−3
R212	A−2
R213	A−3
R214	A−3
R215	A−3
R219	A−2
R220	A−2
R221	A−2
R222	A−2
R226	B−3
R236	B−2
R237	B−2
R238	B−2
R239	B−3
R240	B−3
R241	B−3
R243	B−3
R244	B−3
R245	B−3
R251	B−2

SYMBOL NO.	ADDRESS
R252	B−2
R253	B−2
R254	B−2
R255	B−2
R256	B−2
R257	C−2
R258	C−2
R259	C−2
R260	C−2
R261	C−2
R262	C−2
R263	C−2
R264	C−2
R265	C−2
R266	C−3
R267	C−3
R268	C−2
R269	B−1
R270	C−2
R271	C−1
R272	B−1
R273	C−1
R274	C−1
R275	C−2
R276	C−2
R277	C−1
R278	C−1
R283	C−1
R284	C−1
R286	D−1

SYMBOL NO.	ADDRESS
R288	A−2
R290	A−2
R291	A−2
R292	A−2
R295	B−2
R298	C−1
R300	B−1
R301	B−1
R302	B−1
R303	B−1
R304	B−1
R305	B−1
R306	B−1
R307	A−1
R308	B−1
R309	B−1
R310	B−1
R311	B−1
R312	B−1
R313	A−1
R314	B−1
R315	B−1
R327	B−2
R328	B−2
R329	B−2
R330	B−2
R331	B−2
R332	B−2
R333	B−2
R334	B−2

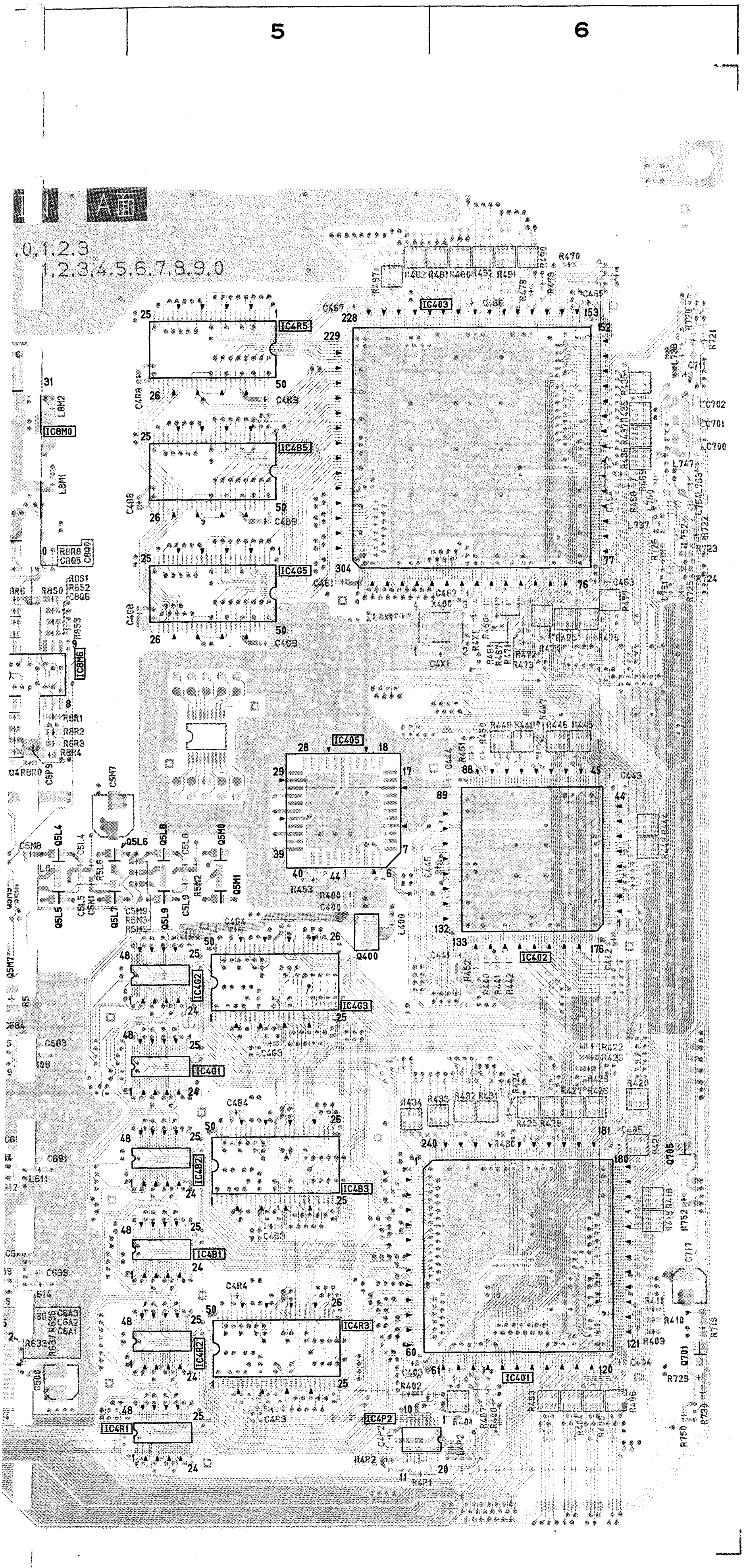
SYMBOL NO.	ADDRESS
R336	B−2
R338	B−2

PCB-MAIN (COMPONENT SIDE)



PCB-MAIN (COMPONEN

SYMBOL NO.	ADDRESS
C400	C−5
C403	E−5
C404	E−6
C405	D−6
C441	C−6
C442	C−6
C443	C−6
C444	C−6
C445	C−6
C461	B−5
C462	B−6
C463	B−6
C464	B−6
C465	A−6
C466	A−6
C467	A−5
C4B3	D−5
C4B4	D−5
C4B8	B−5
C4B9	B−5
C4G3	D−5
C4G4	C−5
C4G8	B−5
C4G9	B−5
C4P2	E−5
C4R3	E−5
C4R4	E−5
C4R8	B−5
C4R9	B−5
C4X1	B−6
C500	E−4
C501	E−4
C509	E−4
C510	E−4
C511	E−4
C512	E−4
C515	E−4
C517	E−4
C518	E−4
C519	E−4
C525	E−2
C526	E−2
C527	E−2
C528	E−2
C529	E−2
C530	E−2
C534	E−2
C5A0	C−2
C5A1	D−2
C5A4	C−2
C5A5	C−2
C5B0	C−2
C5B1	C−2
C5B2	D−2
C5B3	D−2
C5B6	C−2
C5B7	D−2
C5B9	C−1
C5C0	D−2
C5C1	C−1
C5F2	C−3
C5F3	C−3
C5F6	C−2
C5F7	C−2
C5G0	C−3
C5G1	C−3
C5G4	C−3



PCB-MAIN (COMPONENT SIDE)

SYMBOL NO.	ADDRESS
C400	C−5
C403	E−5
C404	E−6
C405	D−6
C441	C−6
C442	C−6
C443	C−6
C444	C−6
C445	C−6
C461	B−5
C462	B−6
C463	B−6
C464	B−6
C465	A−6
C466	A−6
C467	A−5
C4B3	D−5
C4B4	D−5
C4B8	B−5
C4B9	B−5
C4G3	D−5
C4G4	C−5
C4G8	B−5
C4G9	B−5
C4P2	E−5
C4R3	E−5
C4R4	E−5
C4R8	B−5
C4R9	B−5
C4X1	B−6
C500	E−4
C501	E−4
C509	E−4
C510	E−4
C511	E−4
C512	E−4
C515	E−4
C517	E−4
C518	E−4
C519	E−4
C525	E−2
C526	E−2
C527	E−2
C528	E−2
C529	E−2
C530	E−2
C534	E−2
C5A0	C−2
C5A1	D−2
C5A4	C−2
C5A5	C−2
C5B0	C−2
C5B1	C−2
C5B2	D−2
C5B3	D−2
C5B6	C−2
C5B7	D−2
C5B9	C−1
C5C0	D−2
C5C1	C−1
C5F2	C−3
C5F3	C−3
C5F6	C−2
C5F7	C−2
C5G0	C−3
C5G1	C−3
C5G4	C−3

SYMBOL NO.	ADDRESS
C5G5	C−3
C5G7	D−2
C5L0	C−4
C5L1	C−4
C5L4	C−4
C5L5	C−4
C5L8	C−5
C5L9	C−5
C5M2	C−4
C5M3	C−4
C5M7	C−4
C5M8	C−4
C5M9	C−5
C5N0	C−4
C5N1	C−4
C5R0	B−1
C5R1	B−1
C5R2	B−1
C5R3	B−1
C5R5	B−1
C5R6	B−1
C5R8	B−1
C5R9	B−1
C5T4	C−2
C5T5	D−3
C5T6	C−3
C5T7	D−3
C5T8	B−1
C600	D−3
C601	D−4
C602	D−4
C603	D−4
C604	D−4
C605	D−4
C607	D−4
C608	D−4
C609	D−4
C610	D−4
C611	D−4
C612	D−3
C613	D−4
C614	D−4
C615	D−4
C616	D−4
C617	D−4
C619	D−4
C620	D−4
C621	D−4
C622	D−4
C623	D−4
C624	E−3
C625	E−4
C626	E−4
C627	E−4
C628	E−4
C629	E−4
C631	D−4
C632	D−4
C633	D−4
C634	D−4
C635	D−4
C636	E−3
C637	D−3
C638	E−3
C650	E−3
C651	E−3
C652	E−3

SYMBOL NO.	ADDRESS
C653	E−3
C654	E−3
C655	E−3
C656	E−3
C657	E−3
C658	E−3
C659	E−3
C660	E−3
C662	E−3
C663	E−3
C680	D−4
C681	D−4
C682	D−4
C683	D−4
C684	D−4
C685	D−4
C686	D−4
C687	D−4
C688	D−4
C689	D−4
C690	D−4
C691	D−4
C692	D−4
C693	D−4
C694	D−4
C695	D−4
C696	D−4
C697	E−4
C698	E−4
C699	E−4
C6A0	D−4
C6A1	E−4
C6A2	E−4
C6A3	E−4
C6A4	D−3
C6E0	E−2
C6E1	E−3
C6E2	E−2
C700	E−1
C701	E−1
C702	D−1
C703	D−1
C704	D−1
C706	D−1
C707	E−2
C709	D−1
C711	B−6
C712	E−2
C713	E−1
C715	E−2
C716	E−1
C717	E−6
C718	A−1
C719	A−1
C720	A−1
C721	A−2
C722	A−2
C723	A−2
C800	B−2
C801	B−2
C802	A−2
C803	A−1
C804	A−2
C805	B−2
C806	C−2
C807	B−2
C812	C−2

SYMBOL NO.	ADDRESS
C814	B−2
C819	C−1
C820	B−1
C829	C−2
C830	B−2
C836	B−2
C837	B−2
C838	C−2
C839	C−2
C8A0	B−3
C8A1	B−3
C8A2	A−3
C8A3	A−2
C8A4	A−3
C8A5	B−3
C8A6	C−3
C8A7	B−3
C8B2	C−3
C8B4	B−3
C8B9	C−2
C8C0	B−2
C8C9	C−3
C8D0	B−3
C8D6	B−3
C8D7	B−3
C8D8	D−3
C8D9	D−3
C8M0	B−4
C8M1	B−4
C8M2	A−4
C8M3	A−3
C8M4	A−4
C8M5	B−4
C8M6	C−4
C8M7	B−4
C8N2	C−4
C8N4	B−4
C8N9	C−3
C8P0	B−3
C8P9	C−4
C8Q0	B−4
C8Q5	B−4
C8Q6	B−4
C8Q7	C−4
C8Q8	C−4
C8Q9	D−3
C8R0	A−2
C8R1	A−3
C8R2	A−4
D522	D−2
D600	D−3
D601	D−3
D602	E−3
D700	D−1
D701	D−1
D702	D−1
D704	D−1
D706	D−1
D707	D−1
D800	C−2
D801	C−2
D802	C−2
D803	C−2
D804	C−1
D805	C−1
D8A0	C−3

SYMBOL NO.	ADDRESS
D8A1	C−3
D8A2	C−3
D8A3	C−3
D8A4	C−2
D8A5	C−2
D8M0	C−4
D8M1	C−4
D8M2	C−4
D8M3	C−4
D8M4	C−3
D8M5	C−4
IC401	D−6
IC402	C−6
IC403	B−6
IC405	C−5
IC4B1	D−5
IC4B2	D−5
IC4B3	D−5
IC4B5	B−5
IC4G1	D−5
IC4G2	D−5
IC4G3	D−5
IC4G5	B−5
IC4P2	E−5
IC4R1	E−5
IC4R2	E−5
IC4R3	E−5
IC4R5	A−5
IC502	E−4
IC521	E−2
IC522	E−2
IC701	D−2
IC706	D−1
IC800	B−2
IC801	C−2
IC802	C−2
IC803	C−1
IC806	C−2
IC8A0	B−3
IC8A1	C−3
IC8A2	C−3
IC8A3	C−2
IC8A6	C−3
IC8M0	B−4
IC8M1	C−4
IC8M2	C−4
IC8M3	C−3
IC8M6	C−4
L400	C−5
L4P2	E−6
L4X1	B−5
L500	E−3
L520	E−2
L5F0	D−2
L5R0	C−1
L5R1	B−1
L5R2	B−1
L5R3	B−1
L5R4	B−1
L600	D−3
L601	D−4
L603	D−3
L604	D−4
L605	E−3
L606	D−4

SYMBOL NO.	ADDRESS
L607	D−3
L608	D−4
L609	D−4
L610	D−4
L611	D−4
L612	D−4
L613	D−4
L614	E−4
L615	E−4
L616	E−4
L6E1	E−3
L6E3	E−3
L700	E−1
L703	E−1
L704	E−1
L705	E−1
L706	E−1
L707	E−1
L708	E−1
L709	E−1
L710	E−1
L712	E−1
L713	E−1
L715	E−1
L716	E−1
L718	E−1
L719	E−1
L736	D−1
L737	B−6
L738	A−6
L739	E−1
L747	B−6
L750	B−6
L751	B−6
L752	B−6
L753	B−6
L754	B−6
L7Z0	E−2
L801	B−2
L802	B−2
L805	B−2
L8A1	B−3
L8A2	B−3
L8A5	B−3
L8M0	B−3
L8M1	B−4
L8M2	B−4
LC700	B−6
LC701	B−6
LC702	B−6
Q400	C−5
Q521	E−2
Q522	E−2
Q5A0	C−2
Q5A1	D−2
Q5A2	C−1
Q5A3	D−1
Q5A4	C−2
Q5A5	C−2
Q5A6	C−1
Q5A7	C−1
Q5A8	C−2
Q5A9	C−2
Q5B0	C−2
Q5B1	C−2

SYMBOL NO.	ADDRESS
Q5B2	D−2
Q5B3	D−2
Q5B4	D−1
Q5B5	D−1
Q5B8	C−1
Q5C0	D−1
Q5F0	C−3
Q5F1	C−3
Q5F2	C−3
Q5F3	C−3
Q5F4	C−2
Q5F5	C−2
Q5F6	C−2
Q5F7	C−2
Q5F8	C−3
Q5F9	C−3
Q5G0	C−3
Q5G1	C−3
Q5G2	C−3
Q5G3	C−3
Q5G4	C−3
Q5G5	C−3
Q5G7	C−3
Q5G9	C−3
Q5L0	C−4
Q5L1	C−4
Q5L2	C−4
Q5L3	C−4
Q5L4	C−4
Q5L5	C−4
Q5L6	C−4
Q5L7	C−4
Q5L8	C−5
Q5L9	C−5
Q5M0	C−5
Q5M1	C−5
Q5M2	C−4
Q5M3	C−4
Q5M4	C−4
Q5M5	C−4
Q5M7	C−4
Q5M9	C−4
Q5R0	B−1
Q5R1	B−1
Q5R2	A−1
Q600	D−4
Q601	D−4
Q602	D−4
Q701	E−6
Q702	D−1
Q703	D−1
Q705	D−6
R400	C−5
R401	E−6
R402	E−5
R403	E−6
R404	E−6
R405	E−6
R406	E−6
R407	E−6
R408	E−6
R409	E−6
R410	E−6
R411	E−6
R418	D−6
R419	D−6

SYMBOL NO.
R420
R421
R422
R423
R424
R425
R426
R427
R428
R429
R430
R431
R432
R433
R434
R435
R436
R437
R438
R440
R441
R442
R443
R444
R445
R446
R447
R448
R449
R450
R451
R452
R453
R460
R461
R467
R468
R469
R470
R471
R472
R473
R474
R475
R476
R477
R478
R479
R480
R481
R482
R487
R490
R491
R492
R4P1
R4P2
R4X1
R505
R506
R509
R510
R511
R512
R520
R522
R523

SYMBOL NO.	ADDRESS
C814	B-2
C819	C-1
C820	B-1
C829	C-2
C830	B-2
C836	B-2
C837	B-2
C838	C-2
C839	C-2
C8A0	B-3
C8A1	B-3
C8A2	A-3
C8A3	A-2
C8A4	A-3
C8A5	B-3
C8A6	C-3
C8A7	B-3
C8B2	C-3
C8B4	B-3
C8B9	C-2
C8C0	B-2
C8C9	C-3
C8D0	B-3
C8D6	B-3
C8D7	B-3
C8D8	D-3
C8D9	D-3
C8M0	B-4
C8M1	B-4
C8M2	A-4
C8M3	A-3
C8M4	A-4
C8M5	B-4
C8M6	C-4
C8M7	B-4
C8N2	C-4
C8N4	B-4
C8N9	C-3
C8P0	B-3
C8P9	C-4
C8Q0	B-4
C8Q5	B-4
C8Q6	B-4
C8Q7	C-4
C8Q8	C-4
C8Q9	D-3
C8R0	A-2
C8R1	A-3
C8R2	A-4
D522	D-2
D600	D-3
D601	D-3
D602	E-3
D700	D-1
D701	D-1
D702	D-1
D704	D-1
D706	D-1
D707	D-1
D800	C-2
D801	C-2
D802	C-2
D803	C-2
D804	C-1
D805	C-1
D8A0	C-3

SYMBOL NO.	ADDRESS
D8A1	C-3
D8A2	C-3
D8A3	C-3
D8A4	C-2
D8A5	C-2
D8M0	C-4
D8M1	C-4
D8M2	C-4
D8M3	C-4
D8M4	C-3
D8M5	C-4
IC401	D-6
IC402	C-6
IC403	B-6
IC405	C-5
IC4B1	D-5
IC4B2	D-5
IC4B3	D-5
IC4B5	B-5
IC4G1	D-5
IC4G2	D-5
IC4G3	D-5
IC4G5	B-5
IC4P2	E-5
IC4R1	E-5
IC4R2	E-5
IC4R3	E-5
IC4R5	A-5
IC502	E-4
IC521	E-2
IC522	E-2
IC701	D-2
IC706	D-1
IC800	B-2
IC801	C-2
IC802	C-2
IC803	C-1
IC806	C-2
IC8A0	B-3
IC8A1	C-3
IC8A2	C-3
IC8A3	C-2
IC8A6	C-3
IC8M0	B-4
IC8M1	C-4
IC8M2	C-4
IC8M3	C-3
IC8M6	C-4
L400	C-5
L4P2	E-6
L4X1	B-5
L500	E-3
L520	E-2
L5F0	D-2
L5R0	C-1
L5R1	B-1
L5R2	B-1
L5R3	B-1
L5R4	B-1
L600	D-3
L601	D-4
L603	D-3
L604	D-4
L605	E-3
L606	D-4

SYMBOL NO.	ADDRESS
L607	D-3
L608	D-4
L609	D-4
L610	D-4
L611	D-4
L612	D-4
L613	D-4
L614	E-4
L615	E-4
L616	E-4
L6E1	E-3
L6E3	E-3
L700	E-1
L703	E-1
L704	E-1
L705	E-1
L706	E-1
L707	E-1
L708	E-1
L709	E-1
L710	E-1
L712	E-1
L713	E-1
L715	E-1
L716	E-1
L718	E-1
L719	E-1
L736	D-1
L737	B-6
L738	A-6
L739	E-1
L747	B-6
L750	B-6
L751	B-6
L752	B-6
L753	B-6
L754	B-6
L7Z0	E-2
L801	B-2
L802	B-2
L805	B-2
L8A1	B-3
L8A2	B-3
L8A5	B-3
L8M0	B-3
L8M1	B-4
L8M2	B-4
LC700	B-6
LC701	B-6
LC702	B-6
Q400	C-5
Q521	E-2
Q522	E-2
Q5A0	C-2
Q5A1	D-2
Q5A2	C-1
Q5A3	D-1
Q5A4	C-2
Q5A5	C-2
Q5A6	C-1
Q5A7	C-1
Q5A8	C-2
Q5A9	C-2
Q5B0	C-2
Q5B1	C-2

SYMBOL NO.	ADDRESS
Q5B2	D-2
Q5B3	D-2
Q5B4	D-1
Q5B5	D-1
Q5B8	C-1
Q5C0	D-1
Q5F0	C-3
Q5F1	C-3
Q5F2	C-3
Q5F3	C-3
Q5F4	C-2
Q5F5	C-2
Q5F6	C-2
Q5F7	C-2
Q5F8	C-3
Q5F9	C-3
Q5G0	C-3
Q5G1	C-3
Q5G2	C-3
Q5G3	C-3
Q5G4	C-3
Q5G5	C-3
Q5G7	C-3
Q5G9	C-3
Q5L0	C-4
Q5L1	C-4
Q5L2	C-4
Q5L3	C-4
Q5L4	C-4
Q5L5	C-4
Q5L6	C-4
Q5L7	C-4
Q5L8	C-5
Q5L9	C-5
Q5M0	C-5
Q5M1	C-5
Q5M2	C-4
Q5M3	C-4
Q5M4	C-4
Q5M5	C-4
Q5M7	C-4
Q5M9	C-4
Q5R0	B-1
Q5R1	B-1
Q5R2	A-1
Q600	D-4
Q601	D-4
Q602	D-4
Q701	E-6
Q702	D-1
Q703	D-1
Q705	D-6
R400	C-5
R401	E-6
R402	E-5
R403	E-6
R404	E-6
R405	E-6
R406	E-6
R407	E-6
R408	E-6
R409	E-6
R410	E-6
R411	E-6
R418	D-6
R419	D-6

SYMBOL NO.	ADDRESS
R420	D-6
R421	D-6
R422	D-6
R423	D-6
R424	D-6
R425	D-6
R426	D-6
R427	D-6
R428	D-6
R429	D-6
R430	D-6
R431	D-6
R432	D-6
R433	D-6
R434	D-5
R435	B-6
R436	B-6
R437	B-6
R438	B-6
R440	C-6
R441	C-6
R442	C-6
R443	C-6
R444	C-6
R445	C-6
R446	C-6
R447	C-6
R448	C-6
R449	C-6
R450	C-6
R451	C-6
R452	D-6
R453	C-5
R460	B-6
R461	B-6
R467	B-6
R468	B-6
R469	B-6
R470	A-6
R471	B-6
R472	B-6
R473	B-6
R474	B-6
R475	B-6
R476	B-6
R477	B-6
R478	A-6
R479	A-6
R480	A-6
R481	A-6
R482	A-5
R487	A-5
R490	A-6
R491	A-6
R492	A-6
R4P1	E-5
R4P2	E-5
R4X1	B-6
R505	E-4
R506	E-4
R509	D-4
R510	D-4
R511	D-4
R512	D-4
R520	D-2
R522	E-2
R523	E-2

SYMBOL NO.	ADDRESS
R524	E-2
R525	E-2
R526	E-2
R529	E-2
R530	E-2
R541	D-2
R5A0	C-2
R5A2	D-2
R5A5	D-2
R5A6	C-2
R5A8	C-2
R5B1	C-2
R5B3	C-2
R5B4	C-2
R5B6	C-2
R5B7	D-2
R5B8	D-2
R5C0	D-2
R5C7	C-1
R5C8	C-1
R5D3	C-1
R5D4	C-1
R5F2	C-3
R5F3	C-3
R5F5	D-3
R5F8	C-2
R5F9	C-2
R5G0	C-2
R5G1	D-2
R5G3	C-3
R5G4	C-3
R5G6	D-3
R5G8	C-3
R5G9	C-3
R5H0	D-3
R5H4	C-3
R5H5	C-3
R5H6	C-3
R5J0	C-3
R5J1	C-3
R5J2	C-3
R5L0	C-4
R5L2	C-4
R5L5	C-4
R5L6	C-4
R5L8	C-4
R5M1	C-4
R5M2	C-5
R5M3	C-5
R5M6	C-5
R5M7	C-4
R5M8	C-4
R5N0	C-4
R5N6	C-4
R5P2	C-4
R5R0	B-1
R5R1	B-1
R5R2	B-1
R5R3	B-1
R5R4	B-1
R5R6	B-1
R5R7	B-1
R5V9	C-2
R5W0	C-2
R5W1	C-2
R5W2	D-3
R5W3	D-2

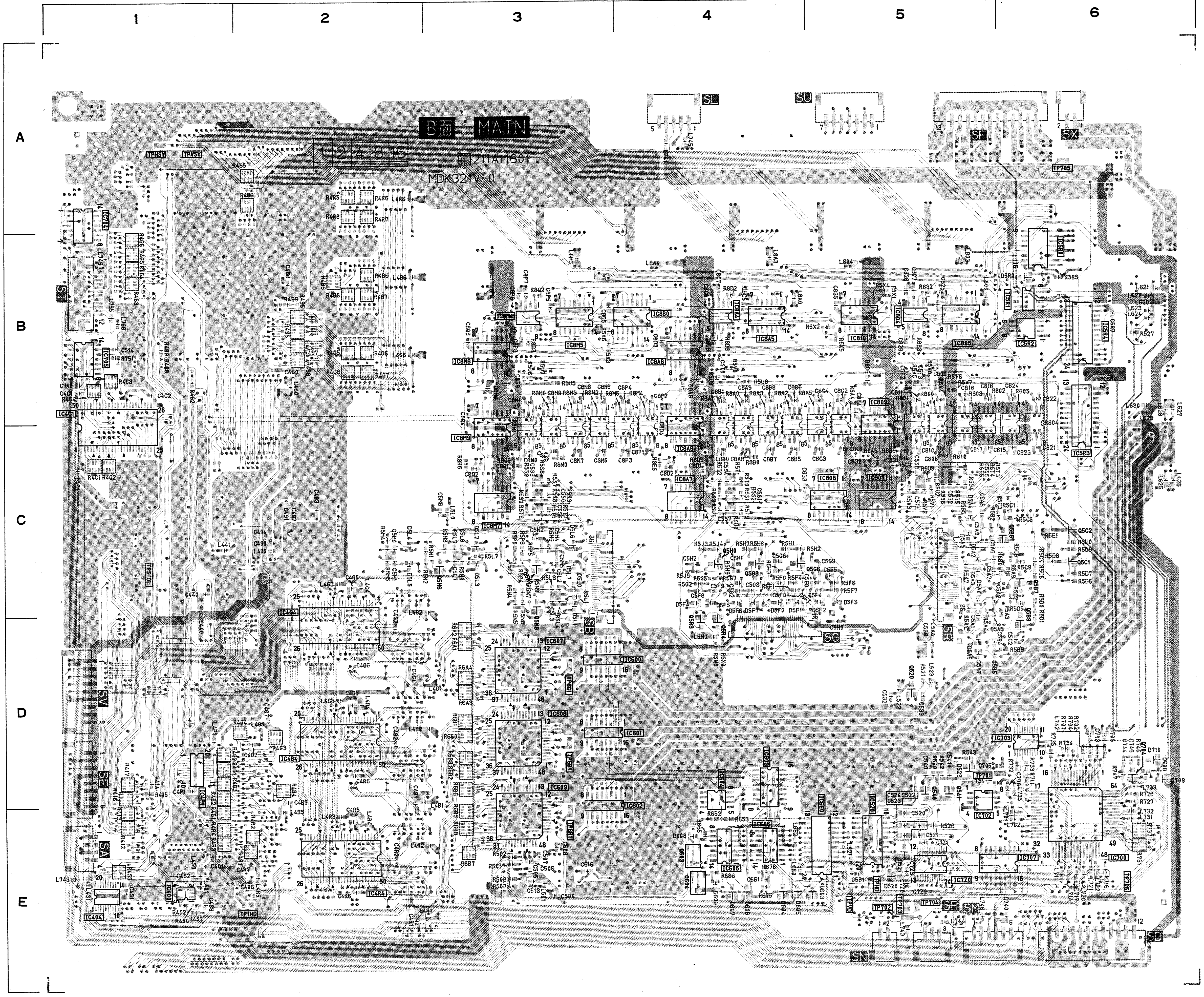
SYMBOL NO.	ADDRESS
R5W4	D-3
R5W5	C-3
R5W6	C-3
R5W7	C-3
R5W9	D-3
R5X7	A-2
R600	E-2
R601	D-3
R602	E-2
R603	D-3
R604	D-3
R605	D-4
R606	D-4
R607	D-4
R608	D-4
R609	D-4
R610	D-4
R611	D-4
R612	D-4
R613	E-2
R614	D-3
R615	E-2
R616	D-3
R617	D-3
R618	D-4
R619	D-4
R620	D-4
R621	D-4
R622	D-4
R623	D-4
R624	D-4
R625	D-4
R626	E-2
R627	E-3
R628	E-2
R629	D-3
R630	E-3
R631	E-4
R632	E-4
R633	E-4
R634	D-4
R635	E-4
R636	E-4
R637	E-4
R638	D-4
R650	D-3
R651	D-3
R654	E-3
R655	E-3
R656	E-3
R657	E-3
R658	E-3
R659	E-3
R660	E-3
R661	E-3
R662	E-3
R663	E-3
R664	E-3
R667	E-3
R668	E-3
R669	E-3
R670	E-3
R671	E-3
R672	E-3
R673	D-4
R674	E-3
R677	E-3

SYMBOL NO.	ADDRESS
R678	E-3
R679	E-3
R680	E-3
R681	E-3
R682	E-3
R683	E-3
R684	E-3
R685	E-3
R6A5	D-4
R6B4	D-4
R6B9	E-4
R700	D-1
R701	D-1
R703	D-1
R705	D-1
R706	D-1
R708	D-1
R709	D-1
R712	D-1
R713	E-1
R714	D-1
R715	E-1
R717	E-1
R718	E-1
R719	E-6
R720	A-6
R721	A-6
R722	B-6
R723	B-6
R724	B-6
R725	B-6
R726	B-6
R729	E-6
R730	E-6
R736	D-1
R738	D-1
R739	D-1
R740	D-1
R741	D-1
R742	D-1
R743	D-1
R748	D-1
R749	D-1
R750	E-6
R752	D-6
R806	C-2
R807	C-2
R808	B-2
R809	B-2
R811	B-2
R812	C-2
R813	C-2
R814	B-2
R815	B-2
R816	C-2
R817	C-2
R818	B-2
R819	B-2
R820	C-2
R821	C-2
R822	B-2
R823	B-2
R824	C-1
R825	C-1
R826	B-1
R827	B-1
R828	C-1

SYMBOL NO.	ADDRESS
R829	C-1
R830	B-1
R831	B-1
R834	C-2
R835	C-2
R836	C-2
R837	C-2
R838	C-2
R840	C-2
R841	C-2
R842	C-2
R843	C-2
R844	C-2
R846	B-2
R847	B-2
R848	B-2
R849	B-2
R850	B-2
R851	B-2
R852	B-2
R853	B-2
R855	B-1
R8A6	C-3
R8A7	C-3
R8A8	B-3
R8A9	B-3
R8B1	B-3
R8B2	C-3
R8B3	C-3
R8B4	B-3
R8B5	B-3
R8B6	C-3
R8B7	C-3
R8B8	B-3
R8B9	B-3
R8C0	C-3
R8C1	C-3
R8C2	B-3
R8C3	B-3
R8C4	C-2
R8C5	C-2
R8C6	B-2
R8C7	B-2
R8C8	C-2
R8C9	C-2
R8D0	B-2
R8D1	B-2
R8D4	C-3
R8D5	C-3
R8D6	C-3
R8D7	C-3
R8D8	C-3
R8E0	C-3
R8E1	C-3
R8E2	C-3
R8E3	C-3
R8E4	C-3
R8E6	B-3
R8E7	B-3
R8E8	B-3
R8E9	B-3
R8F0	B-3
R8F1	B-3
R8F2	B-3
R8F3	B-3
R8F5	B-3
R8M6	C-4

SYMBOL NO.	ADDRESS
R8M7	C-4
R8M8	B-4
R8M9	B-4
R8N1	B-4
R8N2	C-4
R8N3	C-4
R8N4	B-4
R8N5	B-4
R8N6	C-4
R8N7	C-4
R8N8	B-4
R8N9	B-4
R8P0	C-4
R8P1	C-4
R8P2	B-4
R8P3	B-4
R8P4	C-3
R8P5	C-3
R8P6	B-3
R8P7	B-3
R8P8	C-4
R8P9	C-4
R8Q0	B-3
R8Q1	B-4
R8Q4	C-4
R8Q5	C-4
R8Q6	C-4
R8Q7	C-4
R8Q8	C-4
R8R0	C-4
R8R1	C-4
R8R2	C-4
R8R3	C-4
R8R4	C-4
R8R6	B-4
R8R7	B-4
R8R8	B-4
R8R9	B-4
R8S0	B-4
R8S1	B-4
R8S2	B-4
R8S3	B-4
R8S5	B-4
SC	E-2
SH	E-1
SJ	C-1
SK	B-1
SQ	E-1
SS	E-2
X400	B-6

PCB–MAIN (SOLDER SIDE)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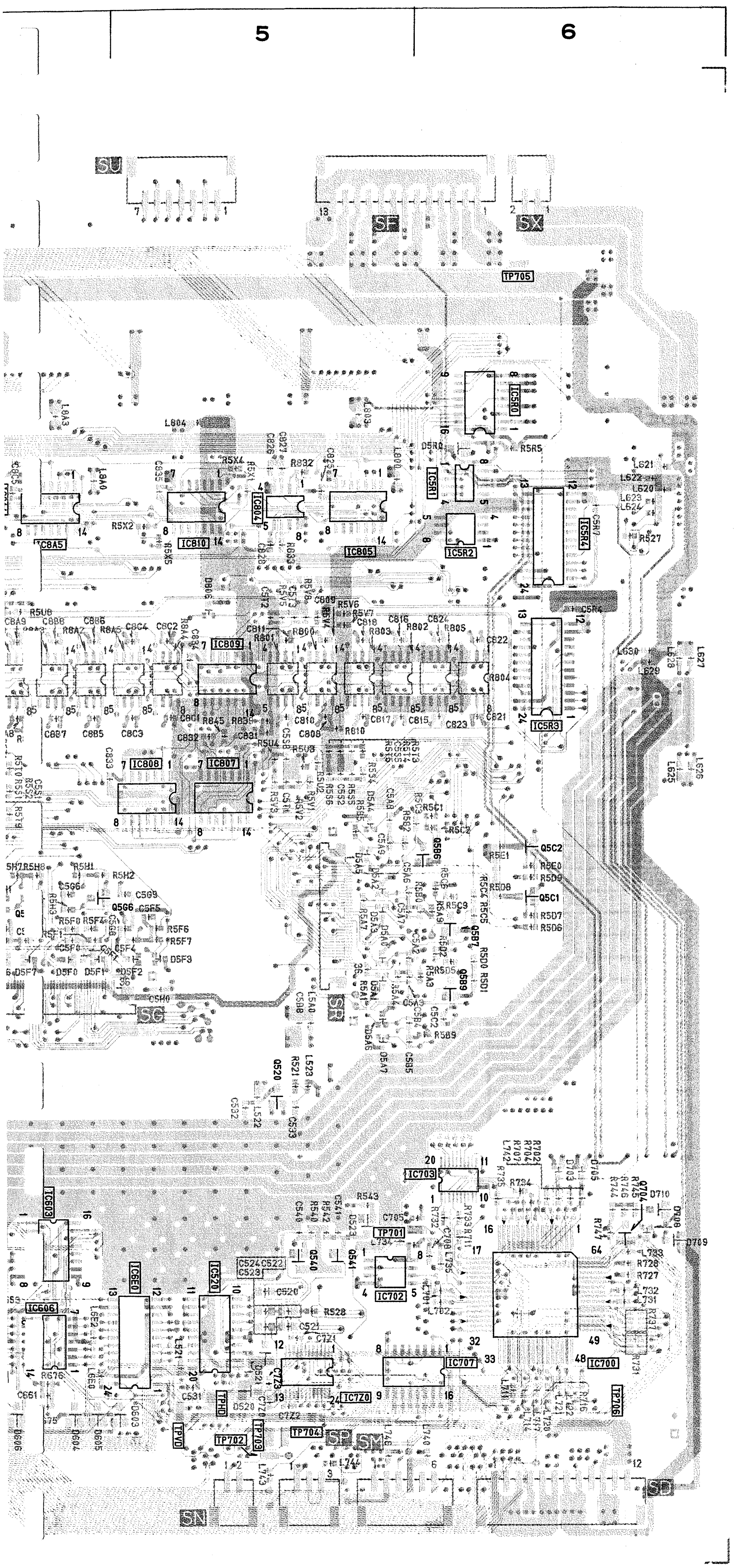
SB
SG
SR

PCB-MAIN (SOLDER SI

SYMBOL NO.	ADDRESS
C401	E–1
C402	D–2
C406	E–2
C440	C–1
C460	B–2
C468	B–2
C490	C–2
C491	C–2
C492	C–2
C493	C–2
C494	C–2
C4B1	D–2
C4B2	D–2
C4B5	D–2
C4B6	D–2
C4B7	D–2
C4C1	B–1
C4C2	B–1
C4G1	D–2
C4G2	D–2
C4G5	C–2
C4G6	D–2
C4G7	D–2
C4P1	D–1
C4R1	E–2
C4R2	E–2
C4R5	E–2
C4R6	E–2
C4R7	E–2
C4S1	E–1
C4S2	E–1
C4S3	E–1
C504	E–3
C505	E–3
C506	E–3
C507	E–3
C508	E–3
C513	E–3
C514	B–1
C516	E–3
C520	E–5
C521	E–5
C522	E–5
C523	E–5
C524	E–5
C531	E–5
C532	D–5
C533	D–5
C540	D–5
C541	D–5
C5A2	C–6
C5A3	D–6
C5A6	C–6
C5A7	C–6
C5A8	C–5
C5A9	C–5
C5B4	D–6
C5B5	D–6
C5B8	D–5
C5C2	D–6
C5F0	C–4
C5F1	C–4
C5F4	C–5
C5F5	C–5
C5F8	C–4
C5F9	C–4
C5G2	C–4



PCB-MAIN (SOLDER SIDE)

SYMBOL NO.	ADDRESS
C401	E−1
C402	D−2
C406	E−2
C440	C−1
C460	B−2
C468	B−2
C490	C−2
C491	C−2
C492	C−2
C493	C−2
C494	C−2
C4B1	D−2
C4B2	D−2
C4B5	D−2
C4B6	D−2
C4B7	D−2
C4C1	B−1
C4C2	B−1
C4G1	D−2
C4G2	D−2
C4G5	C−2
C4G6	D−2
C4G7	D−2
C4P1	D−1
C4R1	E−2
C4R2	E−2
C4R5	E−2
C4R6	E−2
C4R7	E−2
C4S1	E−1
C4S2	E−1
C4S3	E−1
C504	E−3
C505	E−3
C506	E−3
C507	E−3
C508	E−3
C513	E−3
C514	B−1
C516	E−3
C520	E−5
C521	E−5
C522	E−5
C523	E−5
C524	E−5
C531	E−5
C532	D−5
C533	D−5
C540	D−5
C541	D−5
C5A2	C−6
C5A3	D−6
C5A6	C−6
C5A7	C−6
C5A8	C−5
C5A9	C−5
C5B4	D−6
C5B5	D−6
C5B8	D−5
C5C2	D−6
C5F0	C−4
C5F1	C−4
C5F4	C−5
C5F5	C−5
C5F8	C−4
C5F9	C−4
C5G2	C−4

SYMBOL NO.	ADDRESS
C5G3	C−4
C5G6	C−4
C5G8	C−5
C5G9	C−5
C5H0	D−5
C5H1	C−4
C5H2	C−4
C5L2	C−3
C5L3	C−3
C5L6	C−3
C5L7	C−3
C5M0	C−2
C5M1	C−2
C5M4	C−3
C5M5	C−3
C5M6	C−3
C5N2	C−3
C5R4	B−6
C5R7	B−6
C5S0	C−3
C5S1	C−4
C5S2	C−5
C5S3	C−3
C5S4	C−4
C5S5	C−5
C5S6	C−3
C5S7	C−4
C5S8	C−5
C5S9	B−3
C5T0	B−4
C5T1	C−5
C5T2	B−5
C5T3	B−5
C661	E−4
C705	D−6
C708	D−6
C710	B−1
C7Z0	E−5
C7Z1	E−5
C7Z2	E−5
C7Z3	E−5
C808	C−5
C809	B−5
C810	C−5
C811	B−5
C815	C−5
C816	B−5
C817	C−5
C818	B−5
C821	C−6
C822	B−6
C823	C−6
C824	B−6
C825	B−5
C826	B−5
C827	B−5
C828	B−5
C831	C−5
C832	C−5
C833	C−5
C834	B−5
C835	B−5
C8A8	C−4
C8A9	B−4
C8B0	C−4
C8B1	B−4
C8B5	C−4

SYMBOL NO.	ADDRESS
C8B6	B−4
C8B7	C−4
C8B8	B−4
C8C1	C−5
C8C2	B−5
C8C3	C−5
C8C4	B−5
C8C5	B−4
C8C6	B−4
C8C7	B−4
C8C8	B−4
C8D1	C−4
C8D2	C−4
C8D3	B−4
C8D4	B−4
C8D5	B−3
C8M8	C−3
C8M9	B−3
C8N0	C−3
C8N1	B−3
C8N5	C−3
C8N6	B−3
C8N7	C−3
C8N8	B−3
C8P1	C−4
C8P2	B−4
C8P3	C−4
C8P4	B−4
C8P5	B−3
C8P6	B−3
C8P7	B−3
C8P8	B−3
C8Q1	C−3
C8Q2	C−3
C8Q3	B−3
C8Q4	B−3
D520	E−5
D521	E−5
D523	D−5
D5A0	C−5
D5A1	D−5
D5A2	C−5
D5A3	C−5
D5A4	C−5
D5A5	C−5
D5A6	D−5
D5A7	D−5
D5F0	C−4
D5F1	C−4
D5F2	C−5
D5F3	C−5
D5F4	C−4
D5F5	C−4
D5F6	C−4
D5F7	C−4
D5L0	C−3
D5L1	C−3
D5L2	C−3
D5L3	C−3
D5L4	C−2
D5L5	C−2
D5L6	C−3
D5L7	C−3
D5R0	B−6
D603	E−5
D604	E−4

SYMBOL NO.	ADDRESS
D605	E−4
D606	E−4
D607	E−4
D608	E−4
D609	E−4
D703	D−6
D705	D−6
D708	D−6
D709	D−6
D710	D−6
D806	B−5
D8A6	B−4
D8M6	B−3
IC400	E−1
IC404	E−1
IC4B4	D−2
IC4C1	C−1
IC4G4	D−2
IC4P1	D−1
IC4R4	E−2
IC520	E−5
IC5R0	B−6
IC5R1	B−6
IC5R2	B−6
IC5R3	B−6
IC5R4	B−6
IC600	D−3
IC601	D−3
IC602	E−3
IC603	D−4
IC604	D−4
IC605	E−4
IC606	E−4
IC607	D−3
IC608	D−3
IC609	E−3
IC6E0	E−5
IC700	E−6
IC702	D−5
IC703	D−6
IC704	A−1
IC705	B−1
IC707	E−6
IC7Z0	E−5
IC804	B−5
IC805	B−5
IC807	C−5
IC808	C−5
IC809	C−5
IC810	B−5
IC8A4	B−4
IC8A5	B−4
IC8A7	C−4
IC8A8	B−4
IC8A9	C−4
IC8B0	B−4
IC8M4	B−3
IC8M5	B−3
IC8M7	C−3
IC8M8	B−3
IC8M9	C−3
L401	E−1
L440	C−1
L441	C−1
L460	B−2

SYMBOL NO.	ADDRESS
L490	C−2
L4B1	D−3
L4B2	D−3
L4B3	D−2
L4B4	D−2
L4B5	E−2
L4B6	B−2
L4C1	C−1
L4G1	D−3
L4G2	C−3
L4G3	C−2
L4G4	C−2
L4G5	D−2
L4G6	B−2
L4P1	D−1
L4R1	E−3
L4R2	E−3
L4R3	E−2
L4R4	E−2
L4R5	E−2
L4R6	A−2
L4S0	E−1
L4S1	E−1
L501	E−3
L521	E−5
L522	D−5
L523	D−5
L5A0	D−5
L5L0	C−3
L5M0	D−4
L620	B−6
L621	B−6
L622	B−6
L623	B−6
L624	B−6
L625	C−6
L626	C−6
L627	B−6
L628	B−6
L629	B−6
L630	B−6
L6E0	E−4
L6E2	E−4
L701	E−6
L702	E−6
L711	E−6
L714	E−6
L717	E−6
L720	E−6
L721	E−6
L722	E−6
L731	E−6
L732	E−6
L733	D−6
L734	D−6
L735	D−6
L740	E−6
L741	A−4
L742	D−6
L743	E−5
L744	E−5
L745	A−4
L746	E−5
L748	E−1
L749	B−1
L755	B−1
L756	B−1

SYMBOL NO.	ADDRESS
L800	B−5
L803	B−5
L804	B−5
L8A0	B−4
L8A3	B−4
L8A4	B−4
L8M3	B−3
L8M4	B−3
Q520	D−5
Q540	D−5
Q541	D−5
Q5B6	C−6
Q5B7	C−6
Q5B9	D−6
Q5C1	C−6
Q5C2	C−6
Q5G6	C−4
Q5G8	C−4
Q5H0	C−4
Q5M6	C−3
Q5M8	C−3
Q5N0	C−3
Q5R3	D−4
Q5R4	D−4
Q603	E−4
Q604	E−4
Q704	D−6
R412	E−1
R413	E−1
R414	D−1
R415	D−1
R416	D−1
R417	D−1
R462	B−1
R463	B−1
R464	B−1
R465	B−1
R466	B−1
R485	A−2
R486	A−2
R488	B−1
R489	B−1
R495	B−2
R496	B−2
R497	B−2
R498	B−2
R499	B−2
R4B1	E−1
R4B2	D−1
R4B3	D−1
R4B4	D−2
R4B5	B−2
R4B6	B−2
R4B7	B−2
R4B8	B−2
R4C1	C−1
R4C2	C−1
R4C3	B−1
R4C4	B−1
R4G1	D−1
R4G2	D−1
R4G3	D−2
R4G4	D−2
R4G5	B−2
R4G6	B−2

SYMBOL NO.	ADDRESS
R4G7	B−2
R4G8	B−2
R4R1	E−2
R4R2	E−2
R4R3	E−1
R4R4	E−1
R4R5	A−2
R4R6	A−2
R4R7	A−2
R4R8	A−2
R4S0	E−1
R4S1	E−1
R4S2	E−1
R4S3	E−1
R501	E−3
R502	E−3
R507	E−3
R508	E−3
R521	D−5
R527	B−6
R528	E−5
R540	D−5
R542	D−5
R543	D−5
R5A1	C−5
R5A3	D−6
R5A4	D−5
R5A7	C−5
R5A9	C−6
R5B0	C−6
R5B2	C−5
R5B5	C−5
R5B9	D−6
R5C1	C−6
R5C2	C−6
R5C3	C−6
R5C4	C−6
R5C5	C−6
R5C6	C−6
R5C9	C−6
R5D0	C−6
R5D1	D−6
R5D2	C−6
R5D5	C−6
R5D6	C−6
R5D7	C−6
R5D8	C−6
R5D9	C−6
R5E0	C−6
R5E1	C−6
R5F0	C−4
R5F1	C−4
R5F4	C−4
R5F6	C−5
R5F7	C−5
R5G2	C−4
R5G5	C−4
R5G7	C−4
R5H1	C−4
R5H2	C−4
R5H3	C−4
R5H7	C−4
R5H8	C−4
R5H9	C−4
R5J3	C−4
R5J4	C−4
R5J5	C−4

SYMBOL NO.	A
R5L1	
R5L3	
R5L4	
R5L7	
R5L9	
R5M0	
R5M4	
R5M5	
R5M9	
R5N1	
R5N2	
R5N3	
R5N4	
R5N5	
R5N7	
R5N8	
R5N9	
R5P0	
R5P1	
R5P3	
R5P4	
R5P5	
R5R5	
R5R8	
R5R9	
R5S0	
R5S1	
R5S2	
R5S3	
R5S4	
R5S5	
R5S6	
R5S7	
R5S8	
R5S9	
R5T0	
R5T1	
R5T2	
R5T3	
R5T4	
R5T5	
R5T6	
R5T7	
R5T8	
R5T9	
R5U0	
R5U1	
R5U2	
R5U3	
R5U4	
R5U5	
R5U6	
R5U7	
R5U8	
R5U9	
R5V0	
R5V1	
R5V2	
R5V3	
R5V4	
R5V5	
R5V6	
R5V7	
R5V8	
R5W8	
R5X0	
R5X1	

SYMBOL NO.	ADDRESS
C8B6	B-4
C8B7	C-4
C8B8	B-4
C8C1	C-5
C8C2	B-5
C8C3	C-5
C8C4	B-5
C8C5	B-4
C8C6	B-4
C8C7	B-4
C8C8	B-4
C8D1	C-4
C8D2	C-4
C8D3	B-4
C8D4	B-4
C8D5	B-3
C8M8	C-3
C8M9	B-3
C8N0	C-3
C8N1	B-3
C8N5	C-3
C8N6	B-3
C8N7	C-3
C8N8	B-3
C8P1	C-4
C8P2	B-4
C8P3	C-4
C8P4	B-4
C8P5	B-3
C8P6	B-3
C8P7	B-3
C8P8	B-3
C8Q1	C-3
C8Q2	C-3
C8Q3	B-3
C8Q4	B-3
D520	E-5
D521	E-5
D523	D-5
D5A0	C-5
D5A1	D-5
D5A2	C-5
D5A3	C-5
D5A4	C-5
D5A5	C-5
D5A6	D-5
D5A7	D-5
D5F0	C-4
D5F1	C-4
D5F2	C-5
D5F3	C-5
D5F4	C-4
D5F5	C-4
D5F6	C-4
D5F7	C-4
D5L0	C-3
D5L1	C-3
D5L2	C-3
D5L3	C-3
D5L4	C-2
D5L5	C-2
D5L6	C-3
D5L7	C-3
D5R0	B-6
D603	E-5
D604	E-4

SYMBOL NO.	ADDRESS
D605	E-4
D606	E-4
D607	E-4
D608	E-4
D609	E-4
D703	D-6
D705	D-6
D708	D-6
D709	D-6
D710	D-6
D806	B-5
D8A6	B-4
D8M6	B-3
IC400	E-1
IC404	E-1
IC4B4	D-2
IC4C1	C-1
IC4G4	D-2
IC4P1	D-1
IC4R4	E-2
IC520	E-5
IC5R0	B-6
IC5R1	B-6
IC5R2	B-6
IC5R3	B-6
IC5R4	B-6
IC600	D-3
IC601	D-3
IC602	E-3
IC603	D-4
IC604	D-4
IC605	E-4
IC606	E-4
IC607	D-3
IC608	D-3
IC609	E-3
IC6E0	E-5
IC700	E-6
IC702	D-5
IC703	D-6
IC704	A-1
IC705	B-1
IC707	E-6
IC7Z0	E-5
IC804	B-5
IC805	B-5
IC807	C-5
IC808	C-5
IC809	C-5
IC810	B-5
IC8A4	B-4
IC8A5	B-4
IC8A7	C-4
IC8A8	B-4
IC8A9	C-4
IC8B0	B-4
IC8M4	B-3
IC8M5	B-3
IC8M7	C-3
IC8M8	B-3
IC8M9	C-3
L401	E-1
L440	C-1
L441	C-1
L460	B-2

SYMBOL NO.	ADDRESS
L490	C-2
L4B1	D-3
L4B2	D-3
L4B3	D-2
L4B4	D-2
L4B5	E-2
L4B6	B-2
L4C1	C-1
L4G1	D-3
L4G2	C-3
L4G3	C-2
L4G4	C-2
L4G5	D-2
L4G6	B-2
L4P1	D-1
L4R1	E-3
L4R2	E-3
L4R3	E-2
L4R4	E-2
L4R5	E-2
L4R6	A-2
L4S0	E-1
L4S1	E-1
L501	E-3
L521	E-5
L522	D-5
L523	D-5
L5A0	D-5
L5L0	C-3
L5M0	D-4
L620	B-6
L621	B-6
L622	B-6
L623	B-6
L624	B-6
L625	C-6
L626	C-6
L627	B-6
L628	B-6
L629	B-6
L630	B-6
L6E0	E-4
L6E2	E-4
L701	E-6
L702	E-6
L711	E-6
L714	E-6
L717	E-6
L720	E-6
L721	E-6
L722	E-6
L731	E-6
L732	E-6
L733	D-6
L734	D-6
L735	D-6
L740	E-6
L741	A-4
L742	D-6
L743	E-5
L744	E-5
L745	A-4
L746	E-5
L748	E-1
L749	B-1
L755	B-1
L756	B-1

SYMBOL NO.	ADDRESS
L800	B-5
L803	B-5
L804	B-5
L8A0	B-4
L8A3	B-4
L8A4	B-4
L8M3	B-3
L8M4	B-3
Q520	D-5
Q540	D-5
Q541	D-5
Q5B6	C-6
Q5B7	C-6
Q5B9	D-6
Q5C1	C-6
Q5C2	C-6
Q5G6	C-4
Q5G8	C-4
Q5H0	C-4
Q5M6	C-3
Q5M8	C-3
Q5N0	C-3
Q5R3	D-4
Q5R4	D-4
Q603	E-4
Q604	E-4
Q704	D-6
R412	E-1
R413	E-1
R414	D-1
R415	D-1
R416	D-1
R417	D-1
R462	B-1
R463	B-1
R464	B-1
R465	B-1
R466	B-1
R485	A-2
R486	A-2
R488	B-1
R489	B-1
R495	B-2
R496	B-2
R497	B-2
R498	B-2
R499	B-2
R4B1	E-1
R4B2	D-1
R4B3	D-1
R4B4	D-2
R4B5	B-2
R4B6	B-2
R4B7	B-2
R4B8	B-2
R4C1	C-1
R4C2	C-1
R4C3	B-1
R4C4	B-1
R4G1	D-1
R4G2	D-1
R4G3	D-2
R4G4	D-2
R4G5	B-2
R4G6	B-2

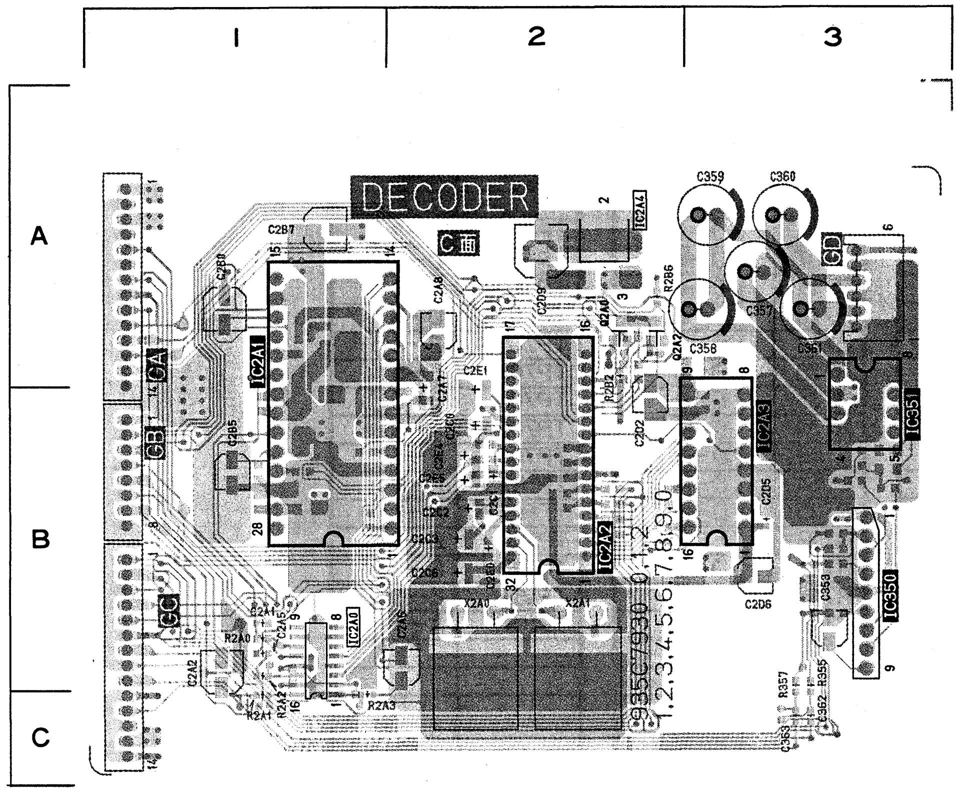
SYMBOL NO.	ADDRESS
R4G7	B-2
R4G8	B-2
R4R1	E-2
R4R2	E-2
R4R3	E-1
R4R4	E-1
R4R5	A-2
R4R6	A-2
R4R7	A-2
R4R8	A-2
R4S0	E-1
R4S1	E-1
R4S2	E-1
R4S3	E-1
R501	E-3
R502	E-3
R507	E-3
R508	E-3
R521	D-5
R527	B-6
R528	E-5
R540	D-5
R542	D-5
R543	D-5
R5A1	C-5
R5A3	D-6
R5A4	D-5
R5A7	C-5
R5A9	C-6
R5B0	C-6
R5B2	C-5
R5B5	C-5
R5B9	D-6
R5C1	C-6
R5C2	C-6
R5C3	C-6
R5C4	C-6
R5C5	C-6
R5C6	C-6
R5C9	C-6
R5D0	C-6
R5D1	D-6
R5D2	C-6
R5D5	C-6
R5D6	C-6
R5D7	C-6
R5D8	C-6
R5D9	C-6
R5E0	C-6
R5E1	C-6
R5F0	C-4
R5F1	C-4
R5F4	C-4
R5F6	C-5
R5F7	C-5
R5G2	C-4
R5G5	C-4
R5G7	C-4
R5H1	C-4
R5H2	C-4
R5H3	C-4
R5H7	C-4
R5H8	C-4
R5H9	C-4
R5J3	C-4
R5J4	C-4
R5J5	C-4

SYMBOL NO.	ADDRESS
R5L1	C-3
R5L3	C-3
R5L4	C-3
R5L7	C-3
R5L9	C-3
R5M0	C-3
R5M4	C-2
R5M5	C-2
R5M9	C-3
R5N1	C-3
R5N2	C-3
R5N3	C-3
R5N4	C-3
R5N5	C-3
R5N7	C-3
R5N8	C-3
R5N9	C-3
R5P0	C-3
R5P1	C-3
R5P3	C-3
R5P4	C-3
R5P5	C-3
R5R5	B-6
R5R8	C-3
R5R9	C-3
R5S0	C-3
R5S1	C-4
R5S2	C-4
R5S3	C-4
R5S4	C-5
R5S5	C-5
R5S6	C-5
R5S7	C-3
R5S8	C-3
R5S9	C-3
R5T0	C-4
R5T1	C-4
R5T2	C-4
R5T3	C-5
R5T4	C-5
R5T5	C-5
R5T6	C-3
R5T7	C-3
R5T8	C-3
R5T9	C-4
R5U0	C-4
R5U1	C-4
R5U2	C-5
R5U3	C-5
R5U4	C-5
R5U5	B-3
R5U6	B-3
R5U7	B-3
R5U8	B-4
R5U9	B-4
R5V0	B-4
R5V1	C-5
R5V2	C-5
R5V3	C-5
R5V4	B-5
R5V5	B-5
R5V6	B-5
R5V7	B-5
R5V8	B-5
R5W8	D-4
R5X0	D-4
R5X1	B-5

SYMBOL NO.	ADDRESS
R5X2	B-5
R5X3	B-3
R5X4	B-5
R5X5	B-5
R5X6	B-3
R652	E-4
R653	E-4
R665	E-4
R666	E-4
R675	E-4
R676	E-4
R6A1	D-3
R6A2	D-3
R6A3	D-3
R6A4	D-3
R6B0	D-3
R6B1	D-3
R6B2	D-3
R6B3	D-3
R6B5	E-3
R6B6	D-3
R6B7	E-3
R6B8	E-3
R702	D-6
R704	D-6
R707	D-6
R711	D-6
R716	E-6
R727	E-6
R728	D-6
R731	E-6
R732	D-6
R733	D-6
R734	D-6
R735	D-6
R737	E-6
R744	D-6
R745	D-6
R746	D-6
R747	D-6
R751	B-1
R800	C-5
R801	C-5
R802	C-5
R803	C-5
R804	C-6
R805	C-6
R810	C-5
R832	B-5
R833	B-5
R839	C-5
R845	C-5
R8A0	C-4
R8A1	C-4
R8A2	C-4
R8A3	C-4
R8A4	C-5
R8A5	C-5
R8B0	C-4
R8D2	B-4
R8D3	B-4
R8D9	C-4
R8E5	C-4
R8M0	C-3
R8M1	C-3
R8M2	C-3
R8M3	C-3

SYMBOL NO.	ADDRESS
R8M4	C-4
R8M5	C-4
R8N0	C-3
R8Q2	B-3
R8Q3	B-3
R8Q9	C-3
R8R5	C-3
SA	E-1
SB	C-3
SD	E-6
SE	D-1
SF	A-5
SG	D-4
SL	A-4
SM	E-5
SN	E-5
SP	E-5
SR	C-5
ST	B-1
SU	A-5
SV	D-1
SX	A-6
TP6B1	D-3
TP6G1	D-3
TP6R1	E-3
TP701	D-6
TP702	E-5
TP703	E-5
TP704	E-5
TP705	A-6
TP706	E-6
TPHD	E-5
TPHSY	A-1
TPIHD	E-2
TPSEOL	C-1
TPVD	E-5
TPVSY	A-1

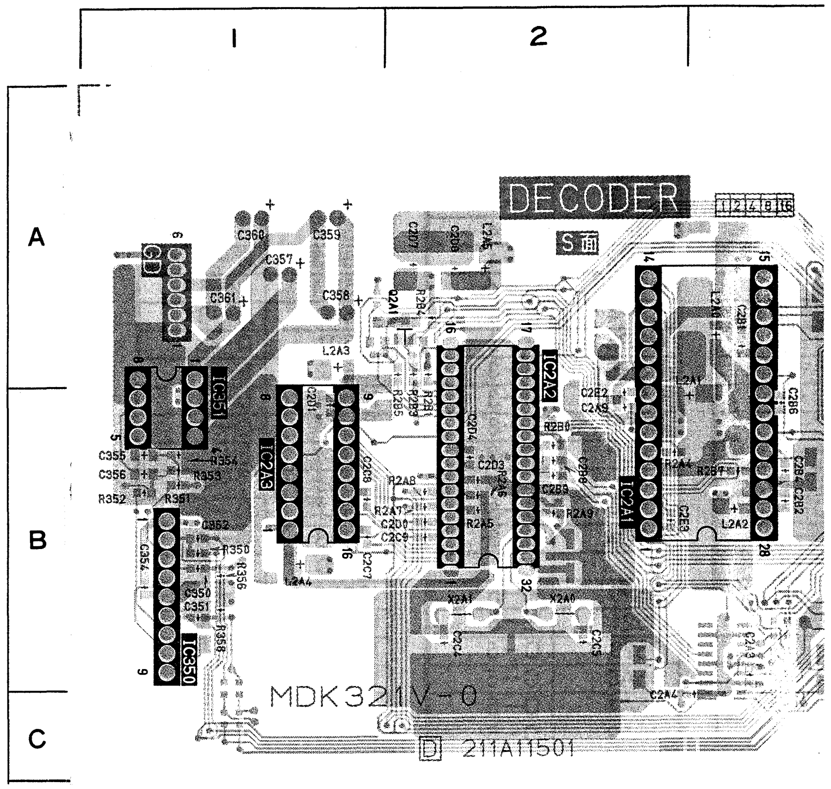
PCB-DECODER (COMPONENT SIDE)


1
2
3
A
B
C
DECODER
C面
GA
GB
GC
GD
IC2A0
IC2A1
IC2A2
IC2A3
IC2A4
IC350
IC351
X2A0
X2A1
C359
C360
C357
C358

PCB-DECODER (COMPONENT SIDE)

SYMBOL NO.	ADDRESS	SYMBOL NO.	ADDRESS
C2A1	B−1		
C2A2	B−1	GA	A−1
C2A5	B−1	GB	B−1
C2A6	B−2	GC	B−1
C2A7	B−2	GD	A−3
C2A8	A−2		
C2B0	A−1	IC2A0	B−1
C2B5	B−1	IC2A1	B−2
C2B7	A−1	IC2A2	B−2
C2C0	B−2	IC2A3	B−3
C2C1	B−2	IC2A4	A−2
C2C2	B−2	IC350	B−3
C2C3	B−2	IC351	A−3
C2C6	B−2		
C2D2	B−2	Q2A0	A−2
C2D5	B−2	Q2A2	A−2
C2D6	B−2		
C2D9	A−2	R2A0	B−1
C2E0	B−2	R2A1	C−1
C2E1	B−2	R2A2	B−1
C2E4	B−2	R2A3	B−1
C2E5	B−2	R2B2	B−2
C353	B−3	R2B6	B−2
C357	A−3	R355	B−3
C358	A−3	R357	B−3
C359	A−3		
C360	A−3	X2A0	B−2
C361	A−3	X2A1	B−2
C362	C−3		
C363	C−3		

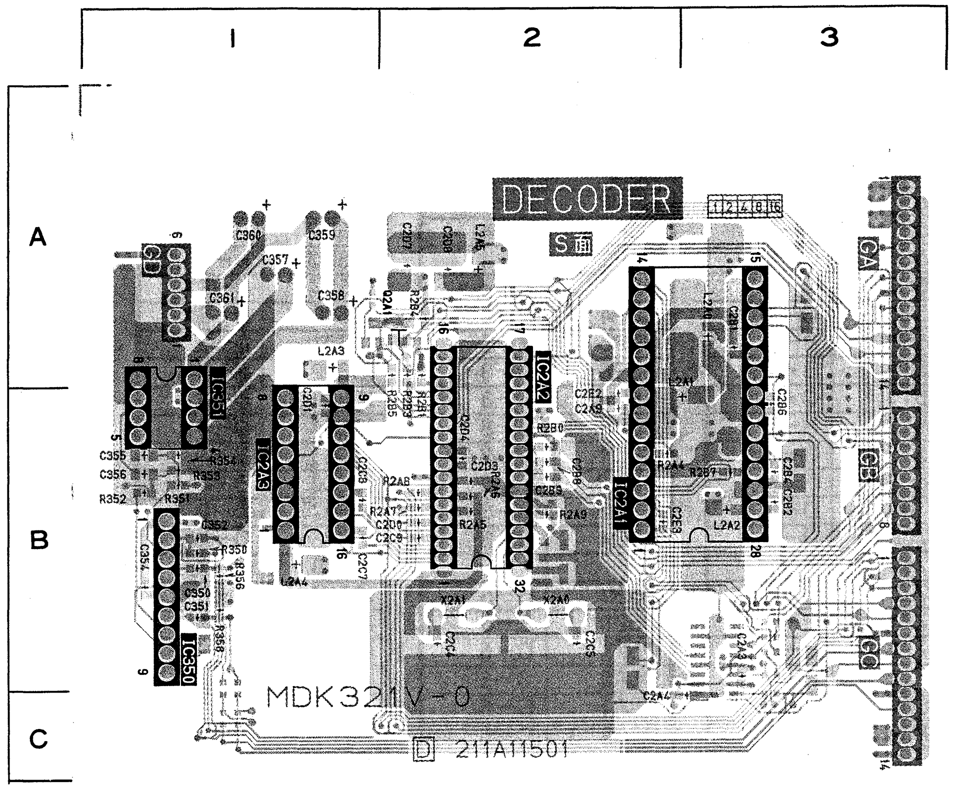
PCB-DECODER (SOLDER SIDE)


1
2
A
B
C
DECODER
S面
GD
IC351
IC2A3
IC2A2
IC2A1
IC350
X2A1
X2A0
MDK321V-0
211A11501

R (COMPONENT SIDE)

SYMBOL NO.	ADDRESS
GA	A−1
GB	B−1
GC	B−1
GD	A−3
IC2A0	B−1
IC2A1	B−2
IC2A2	B−2
IC2A3	B−3
IC2A4	A−2
IC350	B−3
IC351	A−3
Q2A0	A−2
Q2A2	A−2
R2A0	B−1
R2A1	C−1
R2A2	B−1
R2A3	B−1
R2B2	B−2
R2B6	B−2
R355	B−3
R357	B−3
X2A0	B−2
X2A1	B−2

PCB−DECODER (SOLDER SIDE)

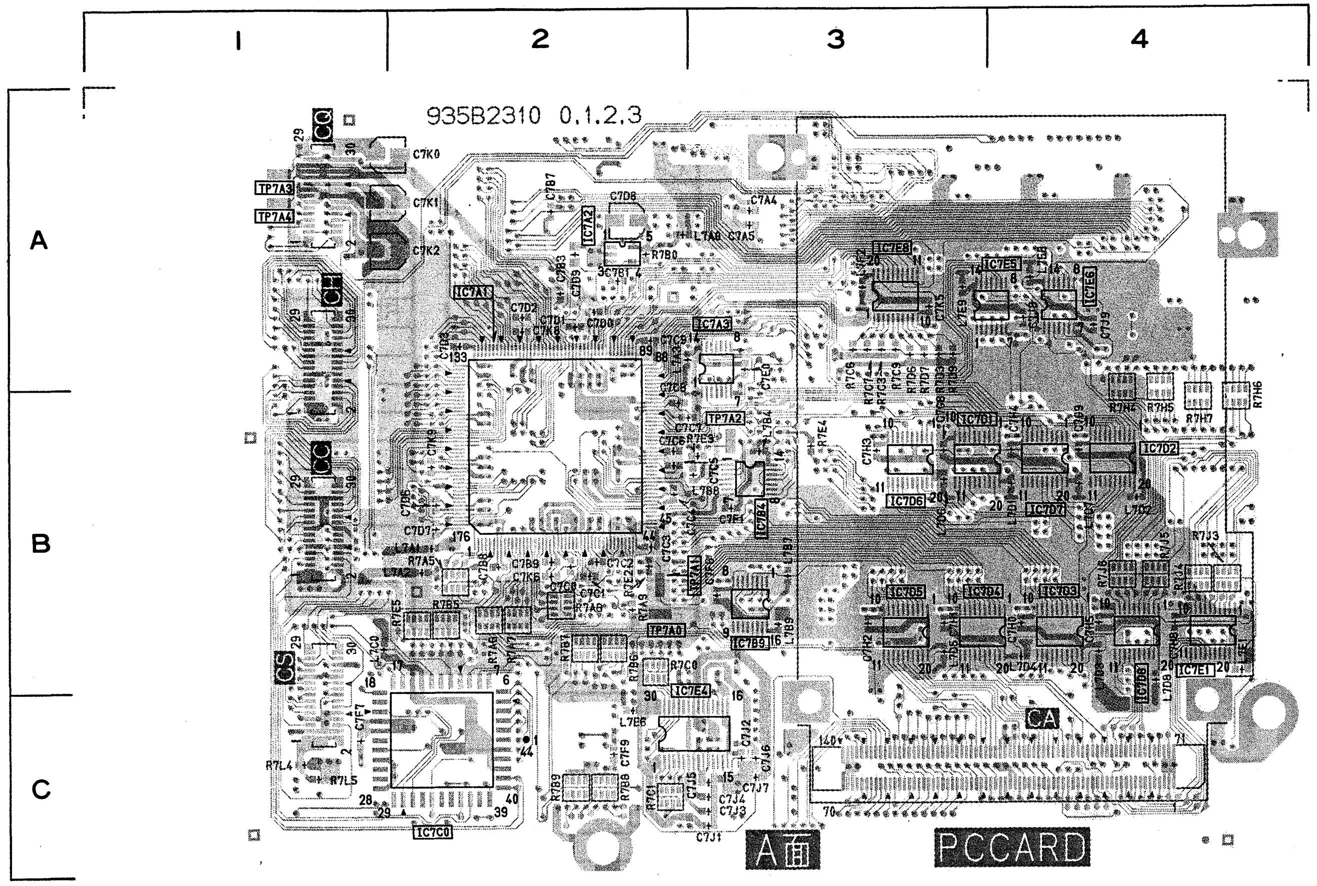

1
2
3
A
B
C
DECODER
S面
IC2A0
IC2A1
IC2A2
IC2A3
IC350
IC351
GA
GB
GC
GD
X2A1
X2A0
MDK321V-0
211A11501

PCB-DECODER (SOLDER SIDE)

SYMBOL NO.	ADDRESS
C2A3	B−3
C2A4	C−3
C2A9	B−2
C2B1	A−3
C2B2	B−3
C2B4	B−3
C2B6	B−3
C2B8	B−2
C2B9	B−2
C2C4	B−2
C2C5	B−2
C2C7	B−1
C2C8	B−1
C2C9	B−2
C2D0	B−2
C2D1	B−1
C2D3	B−2
C2D4	B−2
C2D7	A−2
C2D8	A−2
C2E2	B−2
C2E3	B−2
C350	B−1
C351	B−1
C352	B−1
C354	B−1
C355	B−1
C356	B−1
L2A0	A−3

SYMBOL NO.	ADDRESS
L2A1	B−3
L2A2	B−3
L2A3	A−1
L2A4	B−1
L2A5	A−2
Q2A1	A−2
R2A4	B−2
R2A5	B−2
R2A6	B−2
R2A7	B−2
R2A8	B−2
R2A9	B−2
R2B0	B−2
R2B1	A−2
R2B3	A−2
R2B4	A−2
R2B5	A−2
R2B7	B−3
R350	B−1
R351	B−1
R352	B−1
R353	B−1
R354	B−1
R356	B−1
R358	B−1

PCB-PCCARD (COMPONENT SIDE)


1
2
3
4
A
B
C
935B2310 0.1.2.3
CQ
CH
CC
CS
CA
TP7A3
TP7A4
IC7A1
IC7A2
IC7A3
IC7B4
IC7B9
IC7C0
IC7D1
IC7D2
IC7D3
IC7D4
IC7D5
IC7D6
IC7D7
IC7D8
IC7E1
IC7E4
IC7E5
IC7E6
IC7E8
TP7A0
TP7A2
R7L4
R7L5
A面
PCCARD

PCB-PCCARD (COMPONENT SIDE)

SYMBOL NO.	ADDRESS
C7A4	A−3
C7A5	A−3
C7B1	A−2
C7B3	A−2
C7B7	A−2
C7B8	B−2
C7B9	B−2
C7C0	B−2
C7C1	B−2
C7C2	B−2
C7C3	B−2
C7C4	B−2
C7C5	B−2
C7C6	B−2
C7C7	A−2
C7C8	A−2
C7C9	A−2
C7D0	A−2
C7D1	A−2
C7D2	A−2
C7D3	A−2
C7D6	B−2
C7D7	B−2
C7D8	A−2
C7D9	A−2
C7E0	A−3
C7F1	B−3
C7F6	B−2
C7F7	C−1
C7F9	C−2

SYMBOL NO.	ADDRESS
C7G8	B−3
C7G9	B−4
C7H0	B−3
C7H1	B−3
C7H2	B−3
C7H3	B−3
C7H4	B−3
C7H5	B−4
C7H8	B−4
C7J1	C−2
C7J2	C−3
C7J3	C−2
C7J4	C−2
C7J5	C−2
C7J6	C−3
C7J7	C−3
C7J8	A−3
C7J9	A−4
C7K0	A−1
C7K1	A−1
C7K2	A−1
C7K5	A−3
C7K6	B−2
C7K8	A−2
C7K9	B−2
CA	C−3
CC	B−1
CH	A−1
CQ	A−1

SYMBOL NO.	ADDRESS
CS	B−1
IC7A1	B−2
IC7A2	A−2
IC7A3	A−2
IC7B4	B−3
IC7B9	B−3
IC7C0	C−2
IC7D1	B−3
IC7D2	B−4
IC7D3	B−4
IC7D4	B−3
IC7D5	B−3
IC7D6	B−3
IC7D7	B−4
IC7D8	B−4
IC7E1	B−4
IC7E4	C−2
IC7E5	A−3
IC7E6	A−4
IC7E8	A−3
L7A0	A−2
L7A1	B−2
L7A2	B−1
L7A3	A−2
L7B4	B−3
L7B7	B−3
L7B8	B−2
L7B9	B−3

SYMBOL NO.	ADDRESS
L7C0	B−1
L7D1	B−3
L7D2	B−4
L7D3	B−4
L7D4	B−3
L7D5	B−3
L7D6	B−3
L7D7	B−4
L7D8	B−4
L7E1	B−4
L7E6	B−2
L7E8	A−4
L7E9	A−3
L7F2	A−3
R7A5	B−2
R7A6	B−2
R7A7	B−2
R7A8	B−2
R7A9	B−2
R7B0	A−2
R7B5	B−2
R7B6	B−2
R7B7	B−2
R7B8	C−2
R7B9	C−2
R7C0	B−2
R7C1	C−2
R7C3	A−3
R7C6	A−3

SYMBOL NO.	ADDRESS
R7C7	A−3
R7C9	A−3
R7D3	A−3
R7D6	A−3
R7D7	A−3
R7D9	A−3
R7E2	B−2
R7E3	B−2
R7E4	B−3
R7E5	B−1
R7H4	A−4
R7H5	A−4
R7H6	A−4
R7H7	A−4
R7J3	B−4
R7J4	B−4
R7J5	B−4
R7J6	B−4
R7L4	C−1
R7L5	C−1
TP7A0	B−2
TP7A1	B−2
TP7A2	B−3
TP7A3	A−1
TP7A4	A−1

PONENT SIDE)

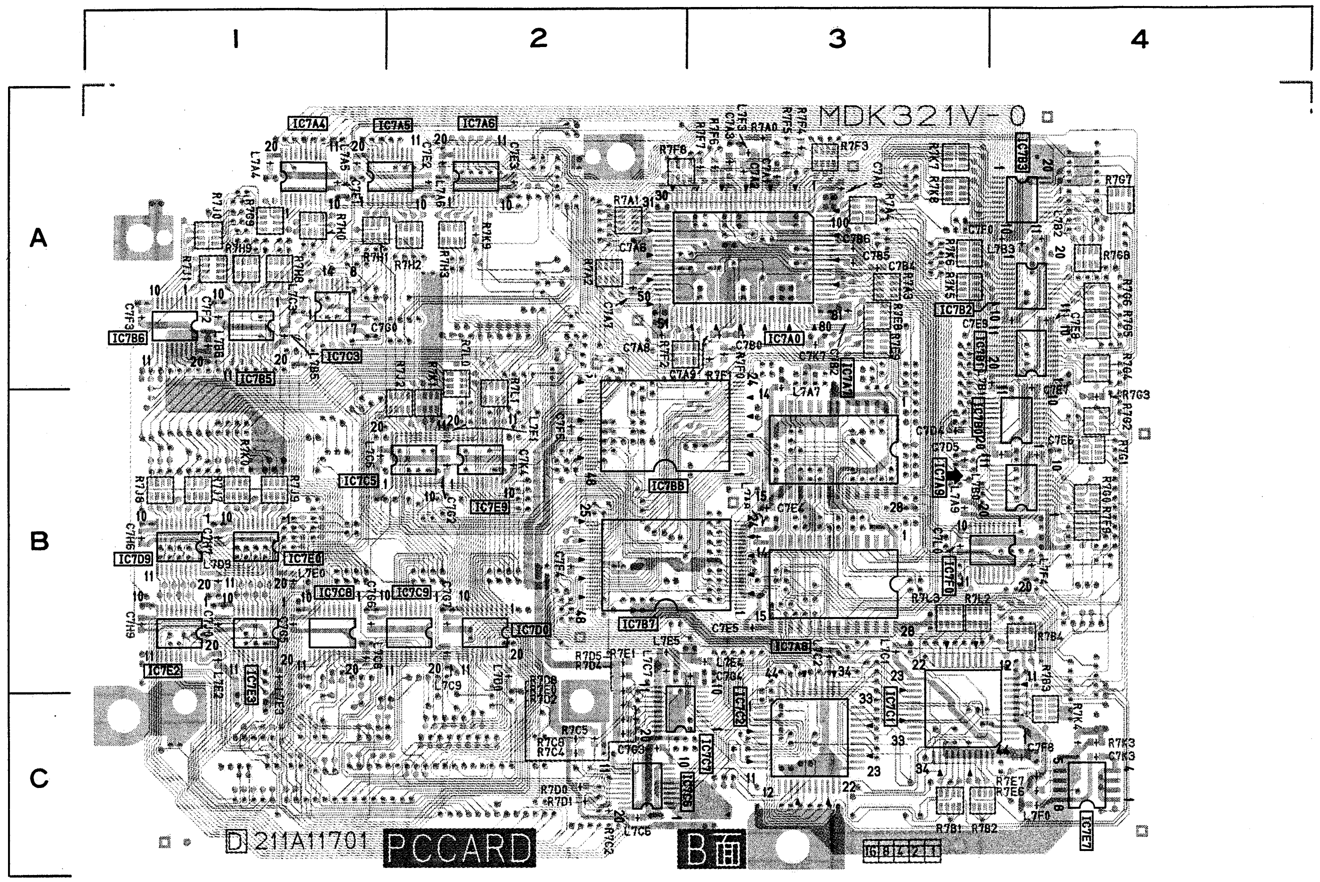
SYMBOL NO.	ADDRESS
C7G8	B−3
C7G9	B−4
C H0	B−3
C H1	B−3
C7H2	B−3
C H3	B−3
C H4	B−3
C H5	B−4
C7H8	B−4
C J1	C−2
C J2	C−3
C7J3	C−2
C7J4	C−2
C J5	C−2
C J6	C−3
C7J7	C−3
C7J8	A−3
C J9	A−4
C K0	A−1
C7K1	A−1
C7K2	A−1
C K5	A−3
C K6	B−2
C7K8	A−2
C7K9	B−2
C	C−3
CC	B−1
C	A−1
C	A−1

SYMBOL NO.	ADDRESS
CS	B−1
IC7A1	B−2
IC7A2	A−2
IC7A3	A−2
IC7B4	B−3
IC7B9	B−3
IC7C0	C−2
IC7D1	B−3
IC7D2	B−4
IC7D3	B−4
IC7D4	B−3
IC7D5	B−3
IC7D6	B−3
IC7D7	B−4
IC7D8	B−4
IC7E1	B−4
IC7E4	C−2
IC7E5	A−3
IC7E6	A−4
IC7E8	A−3
L7A0	A−2
L7A1	B−2
L7A2	B−1
L7A3	A−2
L7B4	B−3
L7B7	B−3
L7B8	B−2
L7B9	B−3

SYMBOL NO.	ADDRESS
L7C0	B−1
L7D1	B−3
L7D2	B−4
L7D3	B−4
L7D4	B−3
L7D5	B−3
L7D6	B−3
L7D7	B−4
L7D8	B−4
L7E1	B−4
L7E6	B−2
L7E8	A−4
L7E9	A−3
L7F2	A−3
R7A5	B−2
R7A6	B−2
R7A7	B−2
R7A8	B−2
R7A9	B−2
R7B0	A−2
R7B5	B−2
R7B6	B−2
R7B7	B−2
R7B8	C−2
R7B9	C−2
R7C0	B−2
R7C1	C−2
R7C3	A−3
R7C6	A−3

SYMBOL NO.	ADDRESS
R7C7	A−3
R7C9	A−3
R7D3	A−3
R7D6	A−3
R7D7	A−3
R7D9	A−3
R7E2	B−2
R7E3	B−2
R7E4	B−3
R7E5	B−1
R7H4	A−4
R7H5	A−4
R7H6	A−4
R7H7	A−4
R7J3	B−4
R7J4	B−4
R7J5	B−4
R7J6	B−4
R7L4	C−1
R7L5	C−1
TP7A0	B−2
TP7A1	B−2
TP7A2	B−3
TP7A3	A−1
TP7A4	A−1

PCB−PCCARD (SOLDER SIDE)

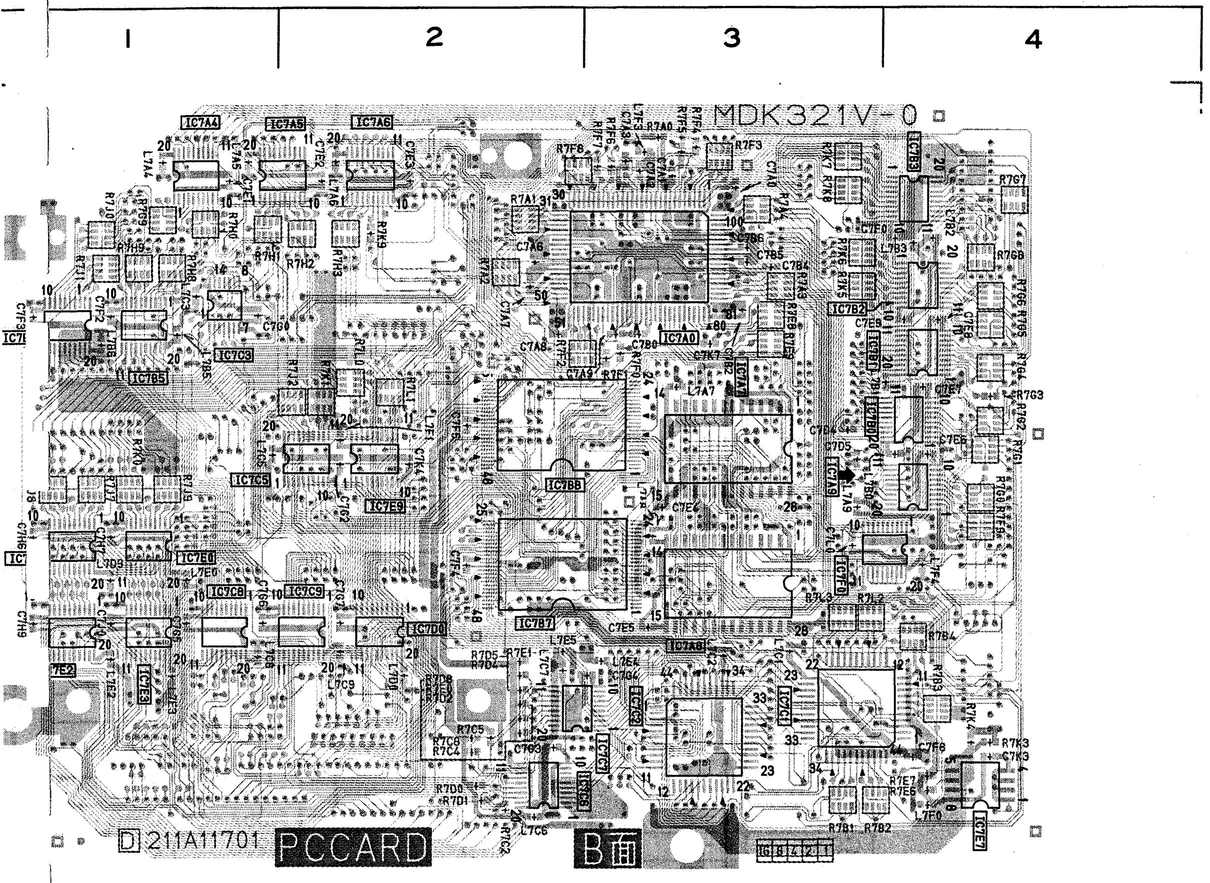


PCB-PCCARD (SOLDER SIDE)

SYMBOL NO.	ADDRESS
C7A0	A−3
C7A1	A−3
C7A2	A−3
C7A3	A−3
C7A6	A−2
C7A7	A−2
C7A8	A−3
C7A9	A−3
C7B0	A−3
C7B2	A−3
C7B4	A−3
C7B5	A−3
C7B6	A−3
C7D4	B−4
C7D5	B−4
C7E1	A−1
C7E2	A−2
C7E3	A−2
C7E4	B−3
C7E5	B−3
C7E6	B−4
C7E7	B−4
C7E8	A−4
C7E9	A−4
C7F0	A−4
C7F2	A−1
C7F3	A−1
C7F4	B−2
C7F5	B−2
C7F8	C−4

SYMBOL NO.	ADDRE
C7G0	A−2
C7G2	B−2
C7G3	C−3
C7G4	C−3
C7G5	B−1
C7G6	B−2
C7G7	B−2
C7H6	B−1
C7H7	B−1
C7H9	B−1
C7J0	B−1
C7K3	C−4
C7K4	B−2
C7K7	A−3
C7L0	B−4
IC7A0	A−3
IC7A4	A−1
IC7A5	A−2
IC7A6	A−2
IC7A7	B−3
IC7A8	B−3
IC7A9	B−4
IC7B0	B−4
IC7B1	A−4
IC7B2	A−4
IC7B3	A−4
IC7B5	A−1
IC7B6	A−1
IC7B7	B−3

CB-PCCARD (SOLDER SIDE)



PCB-PCCARD (SOLDER SIDE)

SYMBOL NO.	ADDRESS
C7A0	A−3
C7A1	A−3
C7A2	A−3
C7A3	A−3
C7A6	A−2
C7A7	A−2
C7A8	A−3
C7A9	A−3
C7B0	A−3
C7B2	A−3
C7B4	A−3
C7B5	A−3
C7B6	A−3
C7D4	B−4
C7D5	B−4
C7E1	A−1
C7E2	A−2
C7E3	A−2
C7E4	B−3
C7E5	B−3
C7E6	B−4
C7E7	B−4
C7E8	A−4
C7E9	A−4
C7F0	A−4
C7F2	A−1
C7F3	A−1
C7F4	B−2
C7F5	B−2
C7F8	C−4

SYMBOL NO.	ADDRESS
C7G0	A−2
C7G2	B−2
C7G3	C−3
C7G4	C−3
C7G5	B−1
C7G6	B−2
C7G7	B−2
C7H6	B−1
C7H7	B−1
C7H9	B−1
C7J0	B−1
C7K3	C−4
C7K4	B−2
C7K7	A−3
C7L0	B−4
IC7A0	A−3
IC7A4	A−1
IC7A5	A−2
IC7A6	A−2
IC7A7	B−3
IC7A8	B−3
IC7A9	B−4
IC7B0	B−4
IC7B1	A−4
IC7B2	A−4
IC7B3	A−4
IC7B5	A−1
IC7B6	A−1
IC7B7	B−3

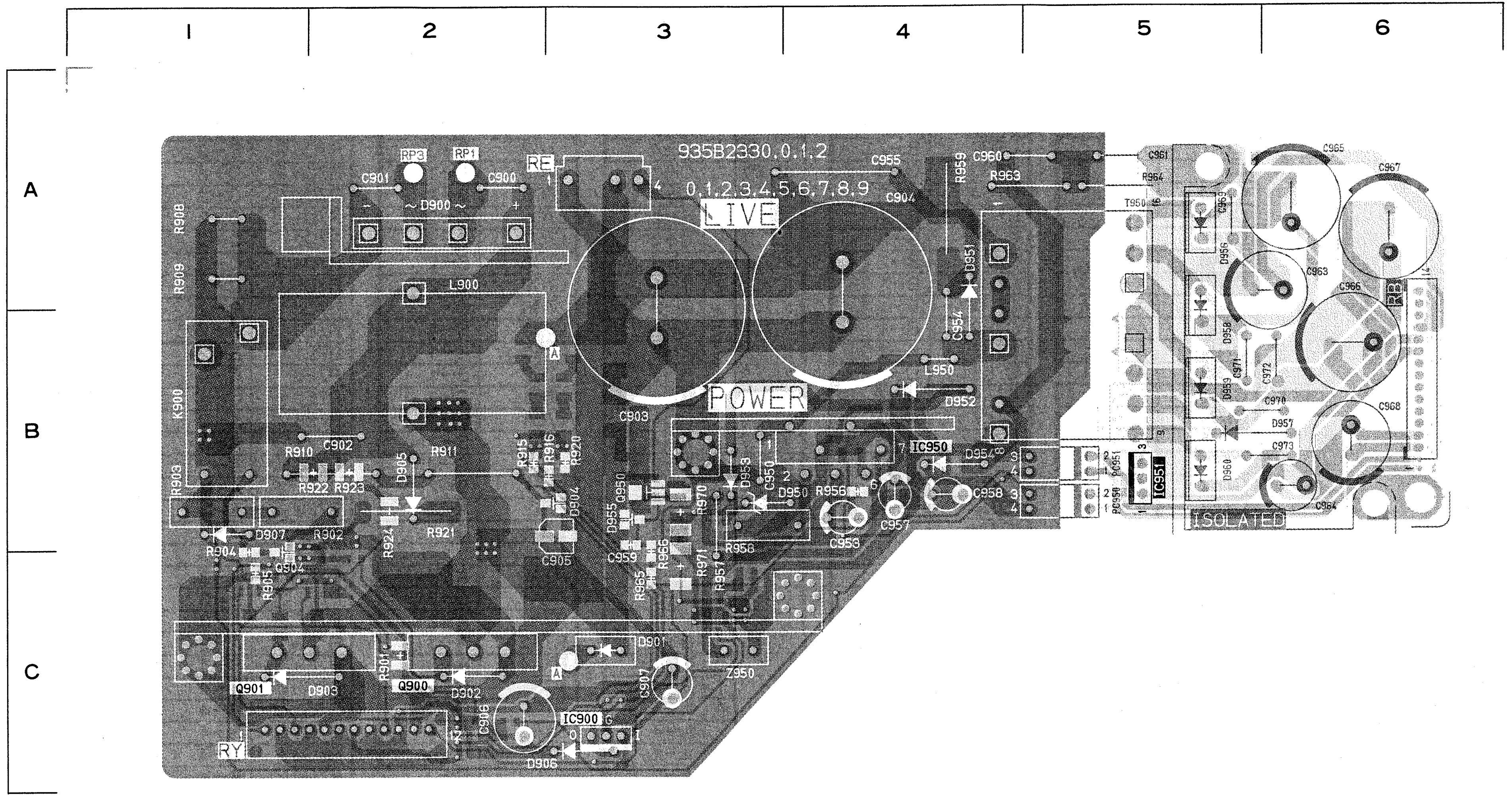
SYMBOL NO.	ADDRESS
IC7B8	B−3
IC7C1	C−4
IC7C2	C−3
IC7C3	A−1
IC7C5	B−2
IC7C6	C−3
IC7C7	C−3
IC7C8	B−1
IC7C9	B−2
IC7D0	B−2
IC7D9	B−1
IC7E0	B−1
IC7E2	B−1
IC7E3	B−1
IC7E7	C−4
IC7E9	B−2
IC7F0	B−4
L7A4	A−1
L7A5	A−2
L7A6	A−2
L7A7	B−3
L7A8	B−3
L7A9	B−4
L7B0	B−4
L7B1	B−4
L7B2	A−4
L7B3	A−4
L7B5	A−1
L7B6	A−1

SYMBOL NO.	ADDRESS
L7C1	B−3
L7C2	B−3
L7C3	A−1
L7C5	B−2
L7C6	C−2
L7C7	C−3
L7C8	B−2
L7C9	B−2
L7D0	C−2
L7D9	B−1
L7E0	B−1
L7E2	B−1
L7E3	C−1
L7E4	B−3
L7E5	B−3
L7F0	C−4
L7F1	B−2
L7F3	A−3
L7F4	B−4
R7A0	A−3
R7A1	A−2
R7A2	A−2
R7A3	A−3
R7A4	A−3
R7B1	C−4
R7B2	C−4
R7B3	C−4
R7B4	B−4
R7C2	C−2

SYMBOL NO.	ADDRESS
R7C4	C−2
R7C5	C−2
R7C8	C−2
R7D0	C−2
R7D1	C−2
R7D2	C−2
R7D4	C−2
R7D5	C−2
R7D8	C−2
R7E0	C−2
R7E1	B−2
R7E6	C−4
R7E7	C−4
R7E8	A−3
R7E9	A−3
R7F0	A−3
R7F1	A−3
R7F2	A−3
R7F3	A−3
R7F4	A−3
R7F5	A−3
R7F6	A−3
R7F7	A−3
R7F8	A−3
R7F9	B−4
R7G0	B−4
R7G1	B−4
R7G2	B−4
R7G3	B−4
R7G4	B−4

SYMBOL NO.	ADDRESS
R7G5	A−4
R7G6	A−4
R7G7	A−4
R7G8	A−4
R7G9	A−1
R7H0	A−1
R7H1	A−2
R7H2	A−2
R7H3	A−2
R7H8	A−1
R7H9	A−1
R7J0	A−1
R7J1	A−1
R7J2	B−2
R7J7	B−1
R7J8	B−1
R7J9	B−1
R7K0	B−1
R7K1	B−2
R7K3	C−4
R7K4	C−4
R7K5	A−4
R7K6	A−4
R7K7	A−4
R7K8	A−4
R7K9	A−2
R7L0	B−2
R7L1	B−2
R7L2	B−4
R7L3	B−4

PCB-POWER (COMPONENT SIDE)


1
2
3
4
5
6
A
B
C
935B2330.0.1.2
0.1.2.3.4.5.6.7.8.9
LIVE
POWER
ISOLATED
RP3
RP1
RE
RY
C901
C900
D900
L900
C903
C955
C904
C960
R959
R963
C961
R964
T950
D951
C954
L950
D952
K900
R908
R909
R903
R910
C902
R922
R923
R911
D905
R915
R916
R920
D904
R924
R921
D907
R902
R904
Q904
R905
C905
Q950
C959
R965
R956
R970
R971
R957
R958
D953
C950
D950
IC950
D954
C958
C957
C953
PC951
PC950
IC951
C963
C965
C967
C966
C972
C971
C970
D957
C973
C968
C964
D956
D958
D959
D960
C969
D901
A
C907
Z950
Q901
D903
R901
Q900
D902
C906
IC900
D906

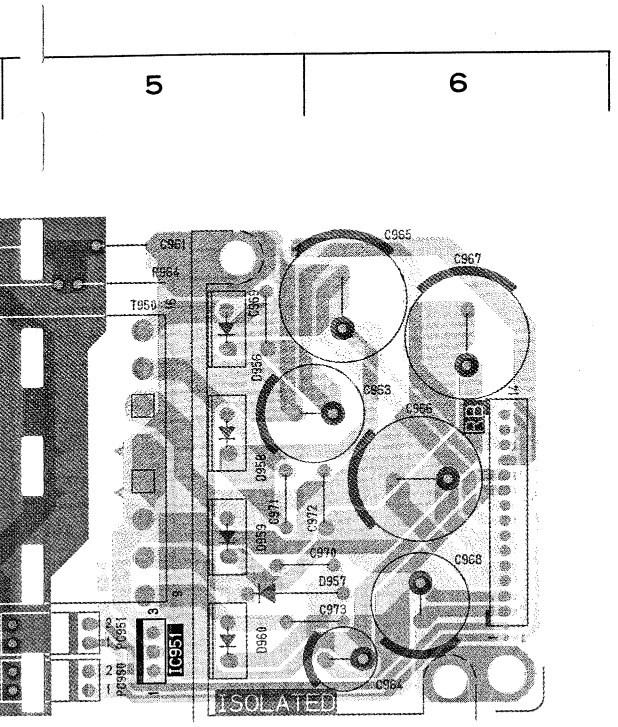
PCB-POWER (COMPONENT SIDE)

SYMBOL NO.	ADDRESS
A	C−3
A	B−3
C900	A−2
C901	A−2
C902	B−1
C903	A−3
C904	A−4
C905	B−3
C906	C−2
C907	C−3
C950	B−3
C953	B−4
C954	B−4
C955	A−3
C957	B−4
C958	B−4
C959	B−3
C960	A−4
C961	A−5
C963	A−6
C964	B−6
C965	A−6
C966	B−6
C967	A−6
C968	B−6
C969	A−5
C970	B−5
C971	B−5
C972	B−6

SYMBOL NO.	ADDRESS
C973	B−5
D900	A−2
D901	C−3
D902	C−2
D903	C−1
D904	B−3
D905	B−2
D906	C−3
D907	B−1
D950	B−3
D951	A−4
D952	B−4
D953	B−3
D954	B−4
D955	B−3
D956	A−5
D957	B−5
D958	A−5
D959	B−5
D960	B−5
IC900	C−3
IC950	B−4
IC951	B−5
K900	B−1
L900	B−2
L950	B−4

SYMBOL NO.	ADDRESS
PC950	B−5
PC951	B−5
Q900	C−2
Q901	C−1
Q904	C−1
Q950	B−3
R901	C−2
R902	B−1
R903	B−1
R904	C−1
R905	C−1
R908	A−1
R909	A−1
R910	B−1
R911	B−2
R915	B−2
R916	B−3
R920	B−3
R921	B−2
R922	B−2
R923	B−2
R924	B−2
R956	B−4
R957	C−3
R958	B−3
R959	A−4
R963	A−4

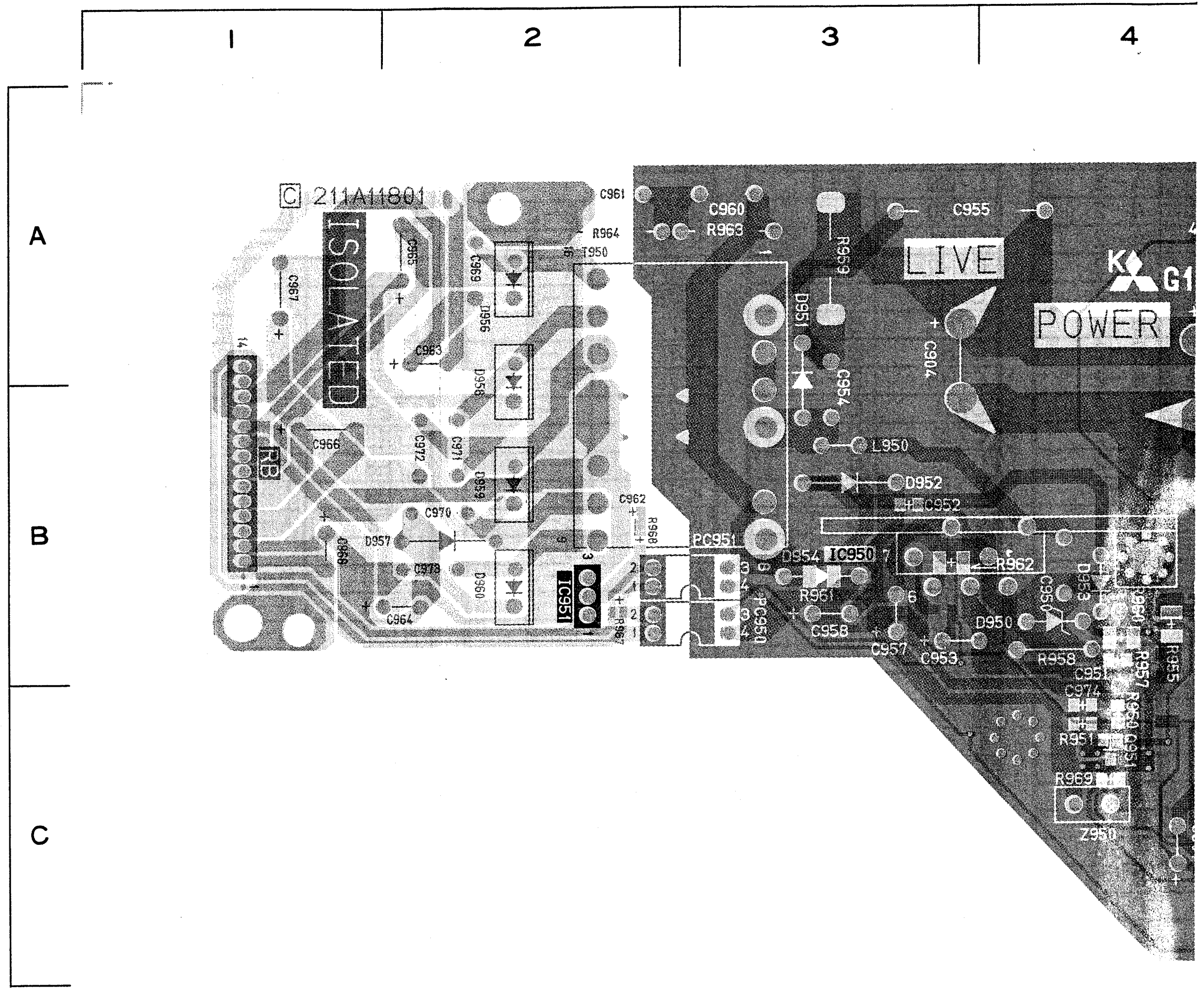
S
R
R
R
R
R
R
R
R
R
R
T
Z


5
6
C961
R964
T950
C965
C967
C963
C966
RB
D955
D958
D959
C971
C972
C970
D957
C973
C968
D960
IC951
PC951
PC950
C964
ISOLATED

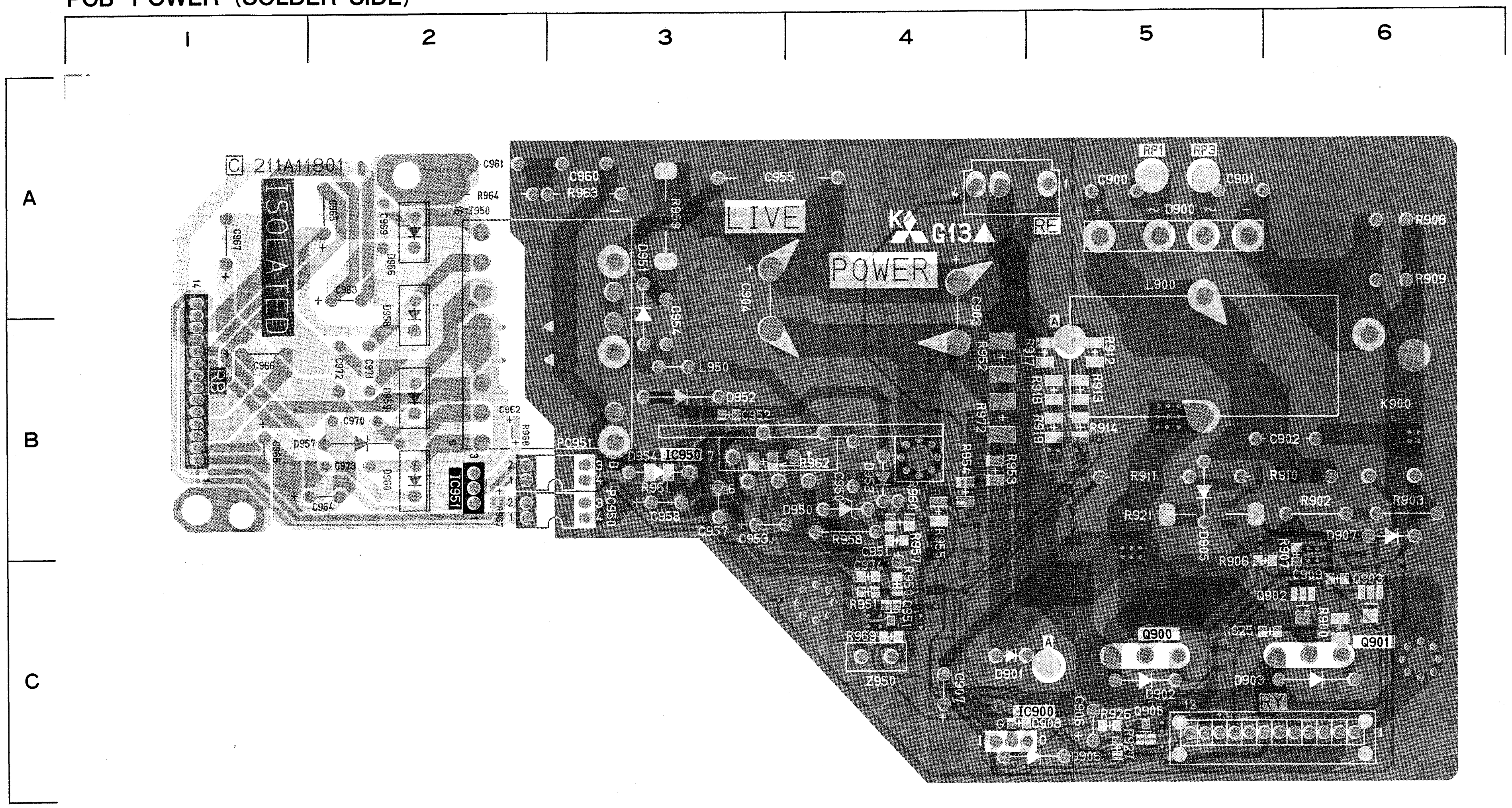
PCB-POWER (COMPONENT SIDE)

SYMBOL NO.	ADDRESS
A	C−3
A	B−3
C900	A−2
C901	A−2
C902	B−1
C903	A−3
C904	A−4
C905	B−3
C906	C−2
C907	C−3
C950	B−3
C953	B−4
C954	B−4
C955	A−3
C957	B−4
C958	B−4
C959	B−3
C960	A−4
C961	A−5
C963	A−6
C964	B−6
C965	A−6
C966	B−6
C967	A−6
C968	B−6
C969	A−5
C970	B−5
C971	B−5
C972	B−6
C973	B−5
D900	A−2
D901	C−3
D902	C−2
D903	C−1
D904	B−3
D905	B−2
D906	C−3
D907	B−1
D950	B−3
D951	A−4
D952	B−4
D953	B−3
D954	B−4
D955	B−3
D956	A−5
D957	B−5
D958	A−5
D959	B−5
D960	B−5
IC900	C−3
IC950	B−4
IC951	B−5
K900	B−1
L900	B−2
L950	B−4
PC950	B−5
PC951	B−5
Q900	C−2
Q901	C−1
Q904	C−1
Q950	B−3
R901	C−2
R902	B−1
R903	B−1
R904	C−1
R905	C−1
R908	A−1
R909	A−1
R910	B−1
R911	B−2
R915	B−2
R916	B−3
R920	B−3
R921	B−2
R922	B−2
R923	B−2
R924	B−2
R956	B−4
R957	C−3
R958	B−3
R959	A−4
R963	A−4
R964	A−5
R965	C−3
R966	C−3
R970	B−3
R971	C−3
RB	B−6
RE	A−3
RP1	A−2
RP3	A−2
RY	C−1
T950	A−4
Z950	C−3

PCB-POWER (SOLDER SIDE)


1
2
3
4
A
B
C
211A11801
ISOLATED
RB
C961
R964
T950
C960
R963
C955
R959
LIVE
POWER
D951
C904
C954
L950
D952
C952
C962
R968
PC951
PC950
IC951
D954
IC950
R961
R962
C958
C957
C953
D950
R958
R951
R969
Z950
C966
C972
C971
C970
D957
C973
C964
D960
D956
D955
C963
C967
C965
C969

PCB-POWER (SOLDER SIDE)

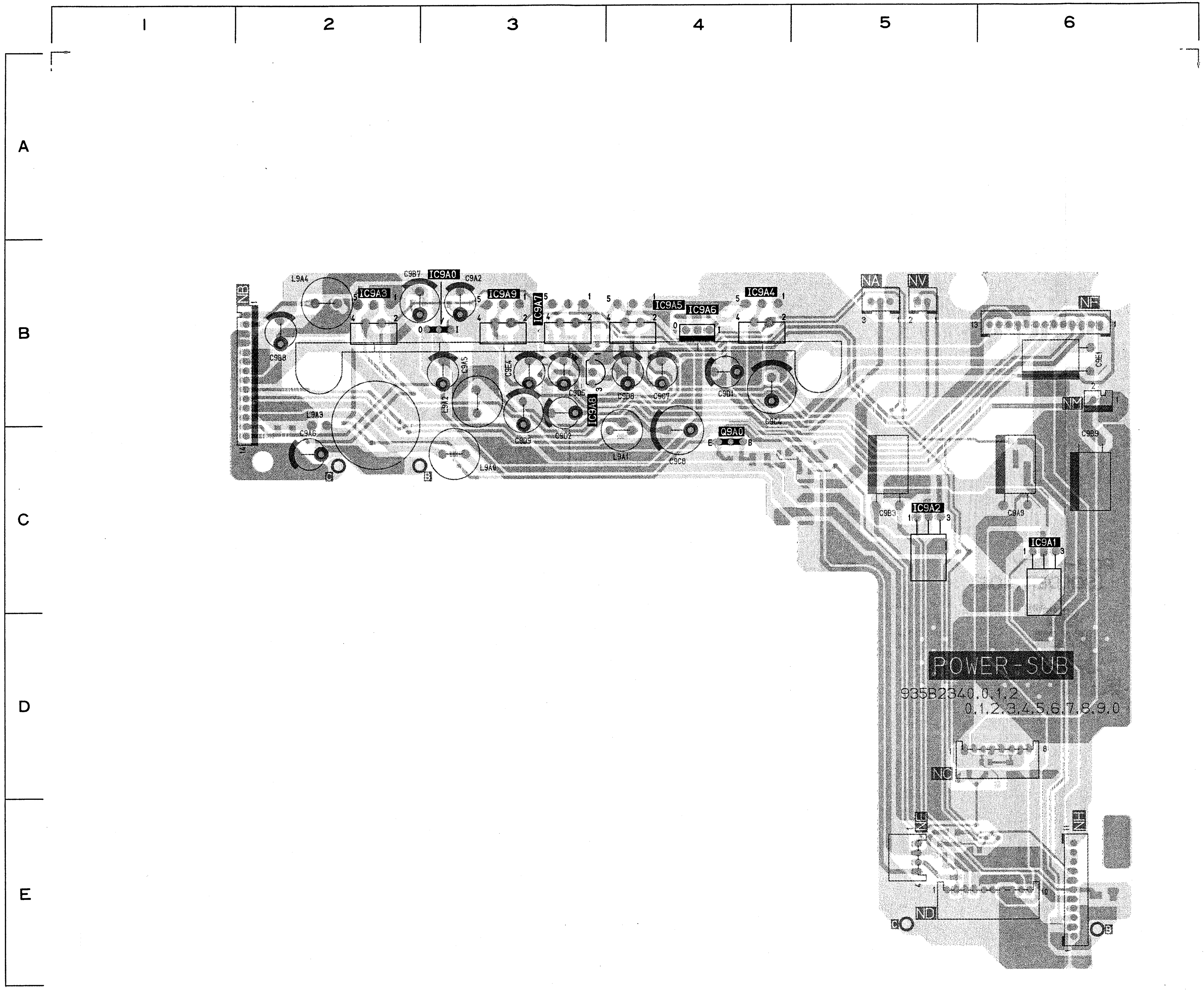

1
2
3
4
5
6
A
B
C
211A11801
ISOLATED
LIVE
POWER
G13
RE
RP1
RP3
C900
C901
D900
L900
K900
R908
R909
IC950
IC951
IC900
PC951
PC950
Q900
Q901
Q902
Q903
Q905
D901
D902
D903
D905
D906
D907
Z950
RY
RB
L950
D950
D951
D952
D954
D957
R962
R969
R912
R913
R914
R917
R918
R919
R952
R953
R954
R972
C902
C903
C904
C955
C960
R963
R964
R910
R911
R902
R903
R921
R906
R907
R900
R925
C906
C908
C907
C957
C958
C953
C951
C974
R961
R958
R957
R950

PCB-POWER (SOLDER SIDE)

SYMBOL NO.	ADDRESS
C908	C-4
C909	C-6
C951	B-4
C952	B-3
C962	B-2
C974	C-4
C9E0	C-3
C9E6	C-3
Q902	C-6
Q903	C-6
Q905	C-5
Q951	C-4
R900	C-6
R906	C-6
R907	C-6
R912	B-5
R913	B-5
R914	B-5
R917	B-5
R918	B-5
R919	B-5
R925	C-6
R926	C-5
R927	C-5
R950	C-4
R951	C-4
R952	B-4
R953	B-4

SYMBOL NO.	ADDRESS
R954	B-4
R955	B-4
R960	B-4
R961	B-3
R962	B-3
R967	B-2
R968	B-2
R969	C-4
R972	B-4

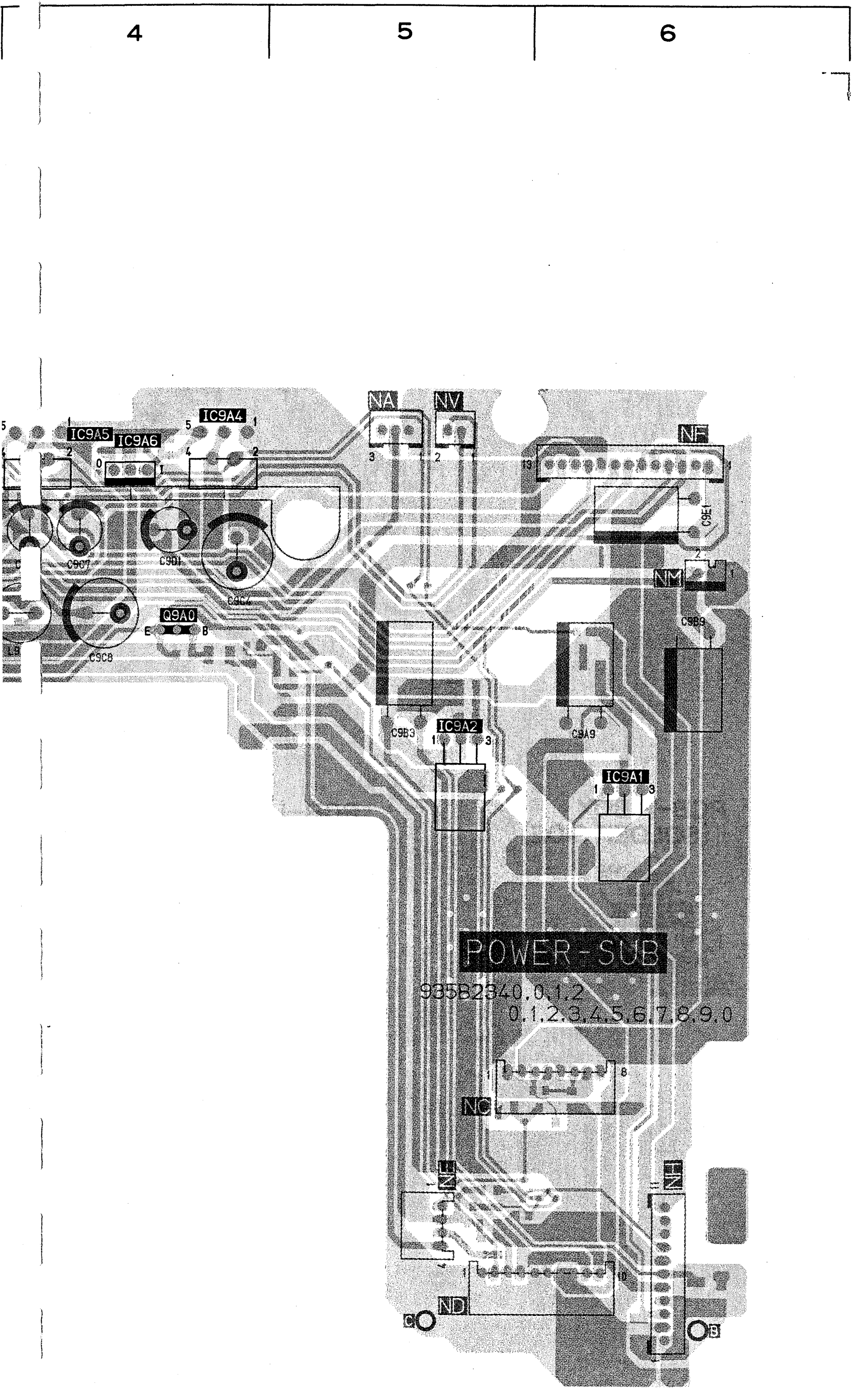
PCB-POWER-SUB (COMPONENT SIDE)


1
2
3
4
5
6
A
B
C
D
E
NB
L9A4
C9B7
IC9A0
C9A2
IC9A3
IC9A9
IC9A7
IC9A5
IC9A6
IC9A4
NA
NV
NF
C9B8
C9A5
C9E4
C9D8
C9D7
C9D1
C9D4
C9E1
L9A2
C9B3
C9D2
IC9A8
L9A1
C9C8
Q9A0
NM
C9B9
L9A3
C9A6
L9A0
C9B3
IC9A2
C9A9
IC9A1
POWER-SUB
935B2340.0.1.2
0.1.2.3.4.5.6.7.8.9.0
NC
NE
NH
ND
C
B

PCB-POWER-SUB (COMPONENT

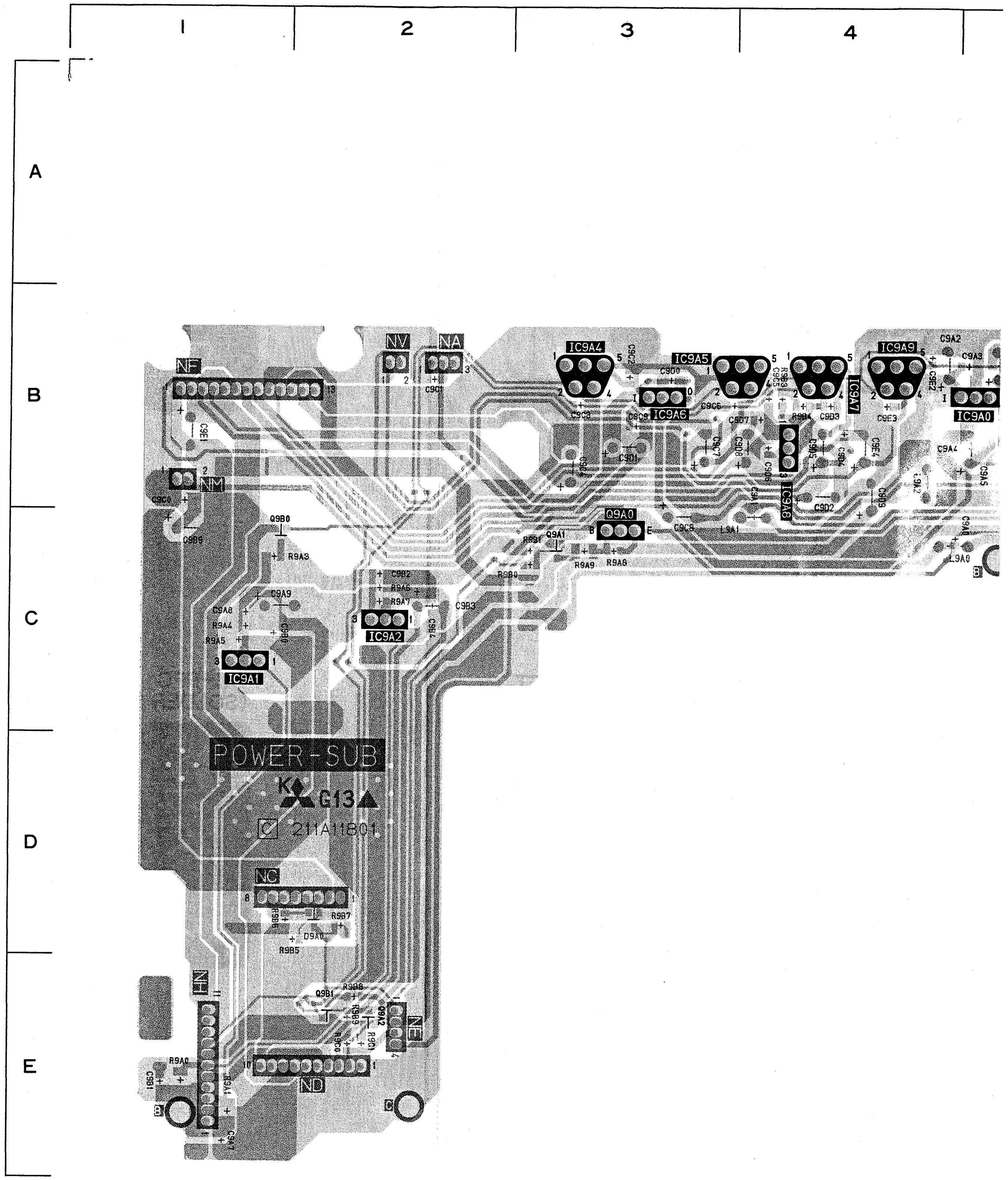
SYMBOL NO.	ADDRESS
B	C−3
B	E−6
C	C−2
C	E−5
C9A2	B−3
C9A5	B−3
C9A6	C−2
C9A9	C−6
C9B3	C−5
C9B7	B−3
C9B8	B−2
C9B9	C−6
C9C4	B−4
C9C7	B−4
C9C8	C−4
C9D1	B−4
C9D2	B−3
C9D5	B−3
C9D8	B−4
C9D9	C−3
C9E1	B−6
C9E4	B−3
IC9A0	B−3
IC9A1	C−6
IC9A2	C−5
IC9A3	B−2
IC9A4	B−4
IC9A5	B−4
IC9A6	B−4
IC9A7	B−3
IC9A8	B−3
IC9A9	B−3
L9A0	C−3
L9A1	C−4
L9A2	B−3
L9A3	C−2
L9A4	B−2
NA	B−5
NB	B−2
NC	D−5
ND	E−5
NE	E−5
NF	B−6
NH	E−6
NM	B−6
NV	B−5
Q9A0	C−4

PCB-POWER-SUB (COMPONENT SIDE)

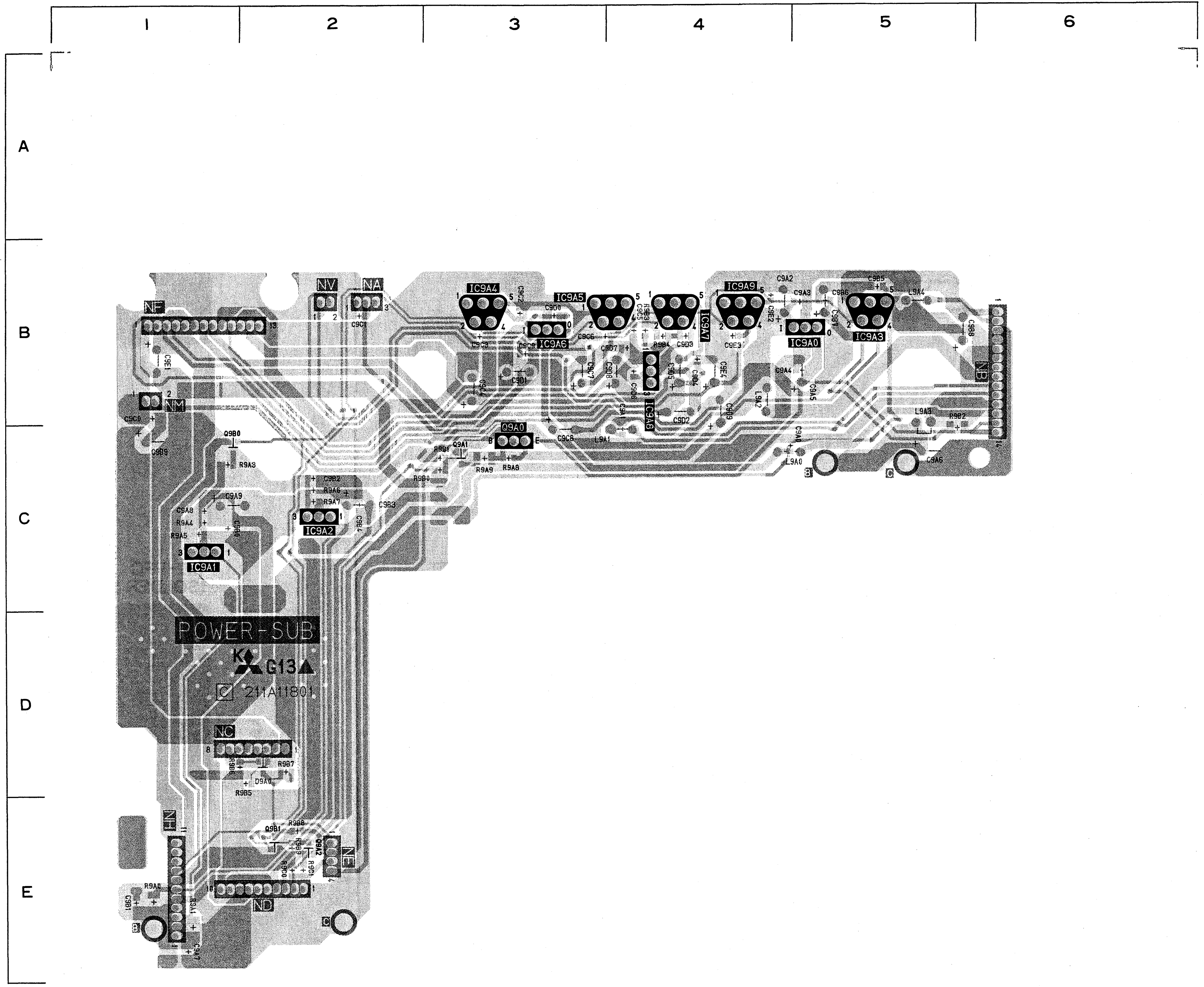

4
5
6
IC9A5
IC9A6
IC9A4
NA
NV
NF
C9D7
C9D1
C9C9
Q9A0
NM
C9B9
C9E1
IC9A2
C9B3
C9A9
IC9A1
POWER-SUB
935B2540.0.1.2
0.1.2.3.4.5.6.7.8.9.0
NC
NH
ND

SYMBOL NO.	ADDRESS
B	C−3
B	E−6
C	C−2
C	E−5
C9A2	B−3
C9A5	B−3
C9A6	C−2
C9A9	C−6
C9B3	C−5
C9B7	B−3
C9B8	B−2
C9B9	C−6
C9C4	B−4
C9C7	B−4
C9C8	C−4
C9D1	B−4
C9D2	B−3
C9D5	B−3
C9D8	B−4
C9D9	C−3
C9E1	B−6
C9E4	B−3
IC9A0	B−3
IC9A1	C−6
IC9A2	C−5
IC9A3	B−2
IC9A4	B−4
IC9A5	B−4
IC9A6	B−4
IC9A7	B−3
IC9A8	B−3
IC9A9	B−3
L9A0	C−3
L9A1	C−4
L9A2	B−3
L9A3	C−2
L9A4	B−2
NA	B−5
NB	B−2
NC	D−5
ND	E−5
NE	E−5
NF	B−6
NH	E−6
NM	B−6
NV	B−5
Q9A0	C−4

PCB-POWER-SUB (SOLDER SIDE)


1
2
3
4
A
B
C
D
E
NF
NV
NA
IC9A4
IC9A5
IC9A9
IC9A6
IC9A7
IC9A0
NM
Q9A0
IC9A2
IC9A1
POWER-SUB
G13
211A11801
NC
NH
NE
ND

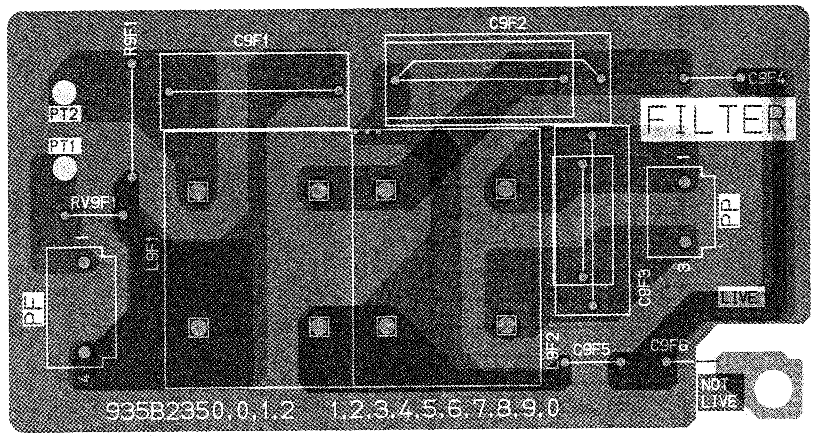
PCB-POWER-SUB (SOLDER SIDE)


1
2
3
4
5
6
A
B
C
D
E
NF
NV
NA
NM
NB
NC
ND
NE
NH
IC9A4
IC9A5
IC9A9
IC9A6
IC9A7
IC9A0
IC9A3
IC9A8
IC9A2
IC9A1
Q9A0
Q9A1
Q9A2
Q9B0
Q9B1
D9A0
L9A0
L9A1
L9A2
L9A3
L9A4
POWER-SUB
G13
211A11801

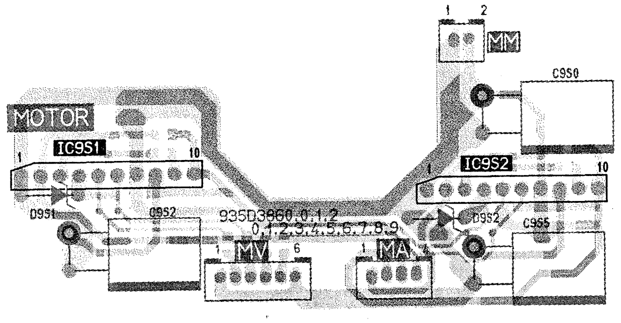
PCB-POWER-SUB (SOLDER SIDE)

SYMBOL NO.	ADDRESS
C9A0	C-5
C9A1	C-4
C9A3	B-5
C9A4	B-5
C9A7	E-1
C9A8	C-1
C9B0	C-1
C9B1	E-1
C9B2	C-2
C9B4	C-2
C9B5	B-5
C9B6	B-5
C9C0	B-1
C9C1	B-2
C9C2	B-3
C9C3	B-3
C9C5	B-4
C9C6	B-4
C9C9	B-3
C9D0	B-3
C9D3	B-4
C9D4	B-4
C9D6	B-4
C9D7	B-4
C9E2	B-4
C9E3	B-4
D9A0	D-2
Q9A1	C-3
Q9A2	E-2
Q9B0	C-1
Q9B1	E-2
R9A0	E-1
R9A1	E-1
R9A3	C-1
R9A4	C-1
R9A5	C-1
R9A6	C-2
R9A7	C-2
R9A8	C-3
R9A9	C-3
R9B0	C-3
R9B1	C-3
R9B2	C-5
R9B3	B-4
R9B4	B-4
R9B5	D-2
R9B6	D-2
R9B7	D-2
R9B8	E-2
R9B9	E-2
R9C0	E-2
R9C1	E-2

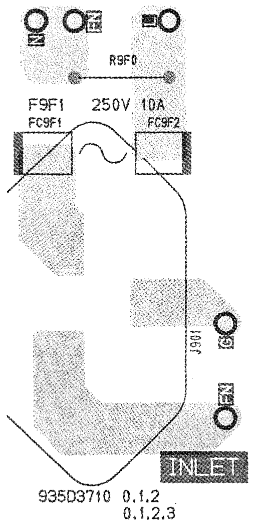
PCB-FILTER (COMPONENT SIDE)


R9F1
C9F1
C9F2
C9F4
PT2
PT1
FILTER
RV9F1
L9F1
PF
PP
C9F3
LIVE
L9F2
C9F5
C9F6
NOT LIVE
935B2350.0.1.2 1.2.3.4.5.6.7.8.9.0

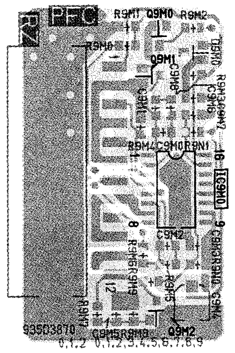
PCB-MOTOR (COMPONENT SIDE)


MM
C9S0
MOTOR
IC9S1
IC9S2
D9S1
D9S2
C9S2
C9S5
935D3860.0.1.2
MV
MA

PCB-INLET
(COMPONENT SIDE)

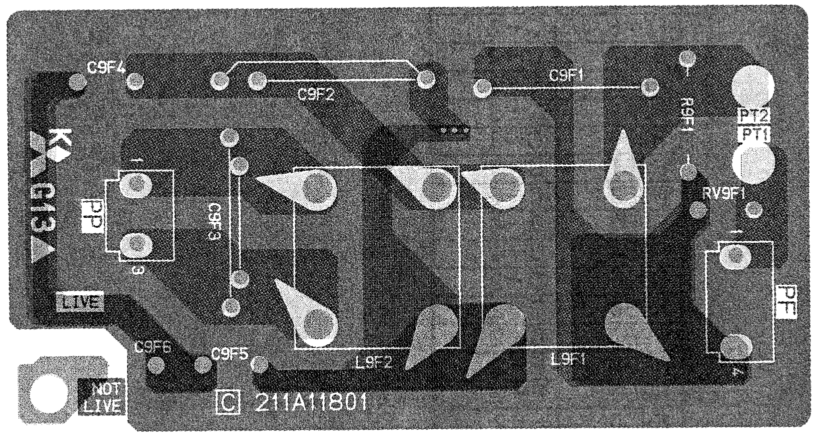

R9F0
F9F1
250V 10A
FC9F1
FC9F2
J901
INLET
935D3710 0.1.2
0.1.2.3

PCB-PFC
(COMPONENT SIDE)

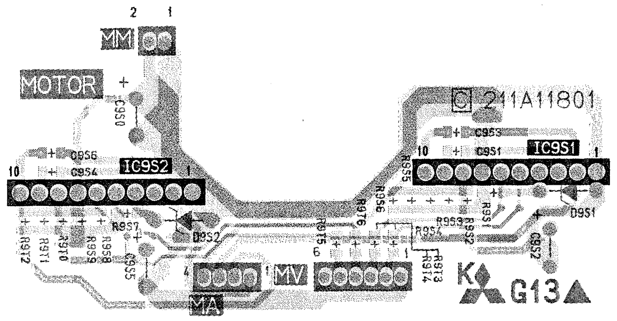

PFC
935D3610

PCB-F
(COM

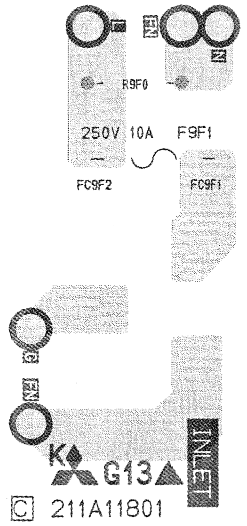
PCB-FILTER (SOLDER SIDE)


C9F4
C9F2
C9F1
R9F1
PT2
PT1
G13
PP
C9F3
RV9F1
PF
LIVE
C9F6
C9F5
L9F2
L9F1
NOT LIVE
211A11801

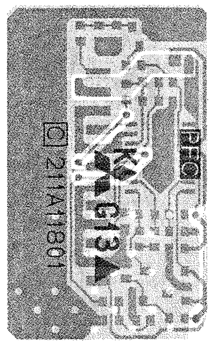
PCB-MOTOR (SOLDER SIDE)


MM
MOTOR
C9S0
211A11801
IC9S2
IC9S1
D9S1
D9S2
MA
MV
G13

PCB-INLET
(SOLDER SIDE)

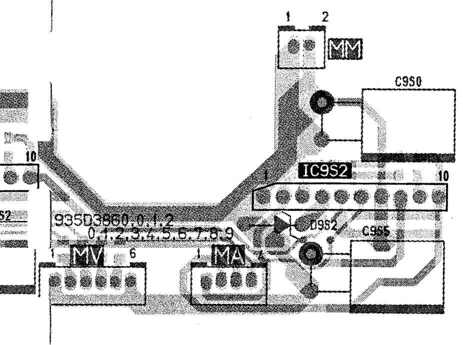

R9F0
250V 10A
F9F1
FC9F2
FC9F1
G13
INLET
211A11801

PCB-PFC
(SOLDER SIDE)

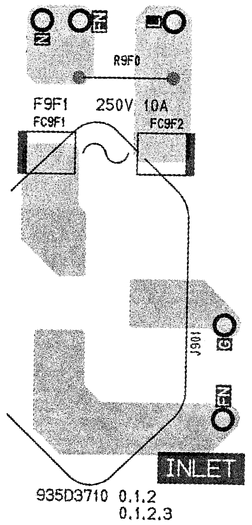

PFC
211A11801
G13

PCB
(SC

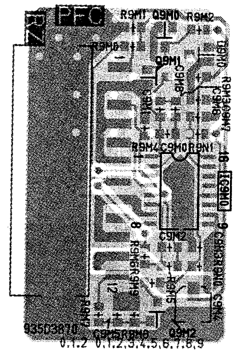
OF (COMPONENT SIDE)


MM
C9S0
IC9S2
935D3960 0.1.2
0.1.2.3.4.5.6.7.8.9
MV
MA
D9S2
C9S5

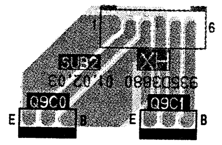
PCB-INLET (COMPONENT SIDE)


R9F0
F9F1
250V 10A
FC9F1
FC9F2
J901
INLET
935D3710 0.1.2
0.1.2.3

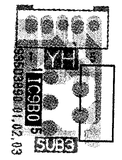
PCB-PFC (COMPONENT SIDE)


PFC
935D3870
0.1.2 0.1.2.3.4.5.6.7.8.9

PCB-POWER-SUB2 (COMPONENT SIDE)


SUB2
XH
Q9C0
Q9C1
E
B

PCB-POWER-SUB3 (COMPONENT SIDE)



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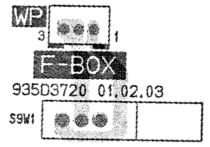
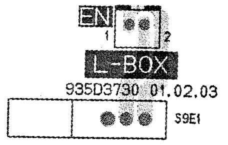

WP
F-BOX
935D3720 01.02.03
S9W1

PCB-L BOX (COMPONENT S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935D3730 01.02.03
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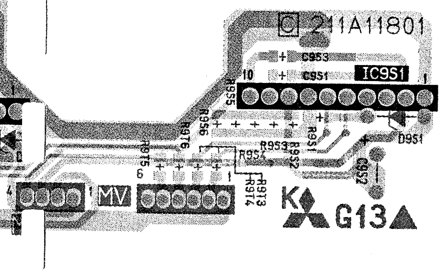
OF (SOLDER SIDE)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IC9S1
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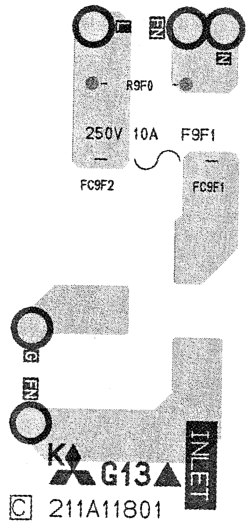
MV
G13

PCB-INLET (SOLDER SIDE)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INLET
G13
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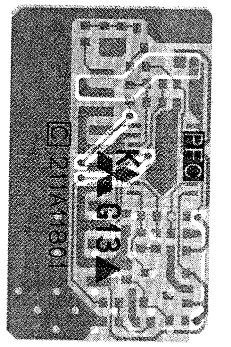
PCB-PFC (SOLDER SIDE)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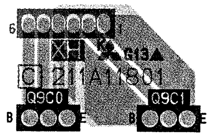
PCB-POWER-SUB2 (SOLDER SIDE)


XH
G13
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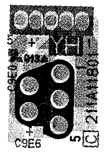
Q9C0
Q9C1
B
E

PCB-POWER-SUB3 (SOLDER SIDE)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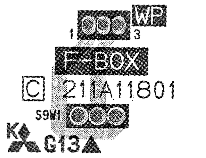
PCB-F BOX (SOLDER SIDE)


WP
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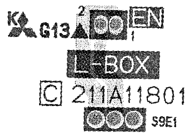
S9W1
G13

PCB-L BOX (SOLDER SID


G13
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L-BOX
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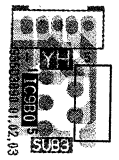
ID)

PCB–POWER–SUB3 (COMPONENT SIDE)



YH
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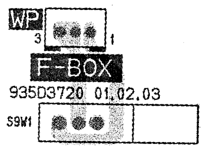
PCB–F BOX (COMPONENT SIDE)



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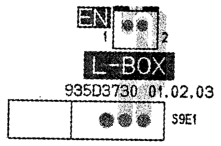
F-BOX
935D3720 01.02.03
S9W1

PCB–L BOX (COMPONENT SIDE)



EN
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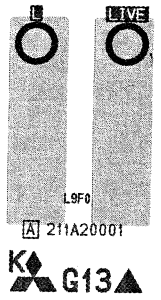
L-BOX
935D3730 01.02.03
S9E1

PCB–COIL



L
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A 211A20001
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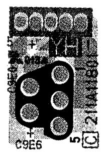
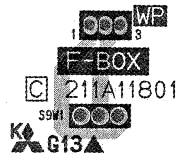
UB2

PCB–POWER–SUB3 (SOLDER SIDE)



YH
C9E6
5
C 211A11801

PCB–F BOX (SOLDER SIDE)



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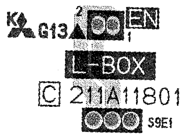
PCB–L BOX (SOLDER SIDE)



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L-BOX
C 211A11801
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